

## *Ichneumonidae* (Hymenoptera) of the surroundings of Gastein in the Alps. Part II.

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**Abstract.** The fauna *Ichneumonidae* in the surroundings of Gastein in the Salzburg Alps was studied in the years 1984-1986. This part includes 434 species reckoned to the subfamilies *Tryphoninae*, *Labeninae*, *Adelognathinae*, *Xoridinae*, *Agriotypinae*, *Gelinae*, *Lycorininae*, *Neorhacodinae*, *Banchinae*, *Ctenopelmatinae* (*Scolobatinae*), *Phrudinae*, *Tersilochinae*, *Cremastinae*, *Campopleginae* (*Porizontinae*), *Ophioninae*, *Anomaloninae*, *Metopiinae*, *Mesochorinae*, *Acaenitinae*, *Microleptinae*, *Orthopelmatinae*, *Collyriinae*, *Orthocentrinae*, *Diplazontinae* and *Ichneumoninae*, 116 of them are new to the fauna of Austria.

**Key words:** *Ichneumonidae*, Hymenoptera, parasites, hosts, Alps.

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### I. INTRODUCTION

The first part of this paper was published in the same periodical (KAŻMIERCZAK 1990). There, the study area was described with a map included. In the previous publication the list of 137 species from the subfamily *Ephialtinae* was given, while this paper includes all the other subfamilies, and namely: *Tryphoninae*, *Labeninae*, *Adelognathinae*, *Xoridinae*, *Agriotypinae*, *Gelinae*, *Lycorininae*, *Neorhacodinae*, *Banchinae*, *Ctenopelmatinae* (*Scolobatinae*), *Phrudinae*, *Tersilochinae*, *Cremastinae*, *Campopleginae* (*Porizontinae*), *Ophioninae*, *Anomaloninae*, *Metopiinae*, *Mesochorinae*, *Acaenitinae*, *Microleptinae*, *Orthopelmatinae*, *Collyriinae*, *Orthocentrinae*, *Diplazontinae* and *Ichneumoninae*. The determination of the insects was made mostly according to the keys edited by CONSTAN-  
TINEANU, MUSTATA (1982), OBRTEL, ŠEDIVÝ (1957), MEDVEDEV (1981), MEYER (1933, 1936), TOLKANITZ (1981, 1987), TOWNES (1970, 1971) and critical comments on an revision of *Ichneumonids* (AUBERT 1987). New species to the fauna of Austria were



marked by "!". The hosts were given here mostly after MEDVEDEV (1981) and TOLKANITZ (1981, 1987). The classification and definition of the particular zoogeographical elements was accepted after PAWŁOWSKI (1967) and MEDVEDEV (1981).

## II. LIST OF SPECIES

### *Tryphoninae*

138. ! *Phytodietus ornatus* DESVIGNES, 1856. Bucheben (1050 m) 10 VII 1986. Meadow; 3 ♀ 1 ♂; hosts: *Tortricidae*, *Gelechiidae*. Euro-Siberian element.

139. ! *Phytodietus polyzonias* (FÖRSTER, 1771). Fusch (950 m) 15 VI 1986. Alder-willow scrub; 2 ♀ 1 ♂; hosts: *Tortricidae*, *Pterophoridae*, *Pyraustidae*. Euro-Siberian element.

140. ! *Phytodietus femoralis* HOLMGREN, 1860. Kötschachtal (1100 m) 29 VII 1985. Alder-willow scrub; 1 ♀ 1 ♂; Host unknown. European element.

141. ! *Phytodietus rufipes* HOLMGREN, 1860. Bucheben (1050 m) 2 VII 1986. Alder-willow scrub; 1 ♀; host: *Pyrausta sticticalis* L. (*Pyraustidae*). Holarctic element.

142. *Phytodietus griseanae* KERRICH, 1952. Poserhöhe (1600 m) 4 VII 1986. Spruce forest; 2 ♀ 1 ♂; host: *Zeiraphera griseana* HB. (*Tortricidae*). Euro-Siberian element.

143. ! *Phytodietus albipes* HOLMGREN, 1856. Feldereralm (1700 m) 3 VIII 1985. Spruce forest; 2 ♀; hosts: *Tortricidae*. Euro-Siberian element.

144. ! *Netelia cristata* (THOMPSON, 1888). Bucheben (1050 m) 4 VII 1986. Alder-willow scrub; 3 ♀; hosts: *Cataloca promissa* ESP., *Mamestra pisi* L., *Nycteola revayana* SCOP. (*Noctuidae*). Euro-Siberian element.

145. ! *Netelia virgata* (FOURCROY, 1785). Bucheben (1050 m) 12 VIII 1985. Alder-willow scrub; 1 ♀ 1 ♂; hosts: *Cerura furcula* CL. (*Notodontidae*), *Noctua pronuba* L. (*Noctuidae*). Palaearctic element.

146. *Netalia latungula* (THOMPSON, 1888). Fusch (950 m) 9 VII 1985. Alder-willow scrub; 1 ♀; host: *Operophtera brumata* L. (*Geometridae*). Holarctic element.

146. *Netelia nigricarpus* (THOMPSON, 1888). Seidlwinkltal (1100 m) 12 VII 1985. Alder-willow scrub; 2 ♀; host unknown. Euro-Siberian element.

147. ! *Netelia tarsata* (BRISCHKE, 1880). Kötschachtal (1100 m) 24 VII 1985. Alder-willow scrub; 1 ♂; hosts: *Geometridae*, *Drepanidae*. Holarctic element.

148. ! *Netelia elevator* AUBERT, 1971. Fusch (950 m) 29 VII 1985. Alder-willow scrub; 2 ♀ 1 ♂; host unknown. Mediterranean element.

149. ! *Netelia caucasica* KOKUJEV, 1899. Fusch (950 m) 29 VII 1985. Forest glade.; 1 ♀; host unknown. Euro-Siberian element.

150. *Netelia vinulae* SCOPOLI, 1763. Angertal (1400 m) 3 IX 1984. Spruce forest; 2 ♂ 1 ♀; Krumltal (1700 m) 12 VIII 1985. Larch forest; 1 ♀; hosts: *Sphingidae*, *Notodontidae*, *Noctuidae*. Euro-Asiatic element.



151. ! *Netelia silantjewi* KOKUJEW, 1899. Bucheben (1050 m) 29 VII 1985. Alder-willow scrub; 1 ♀ 1 ♂; hosts: *Lycia hirtaria* CL., *Apocheima hispidaria* DEN. et SCHIFF. (*Geometridae*). Euro-Siberian element.

152. ! *Netelia infractor* DELRIO, 1971. Fush (950 m) 29 VII 1985. Alder-willow scrub; 1 ♀; hosts: *Apantele psi* L. (*Noctuidae*), *Aegeria apiformis* CL. (*Aegeriidae*). Euro-Caucasian element.

153. ! *Netelia valvator* AUBERT, 1968. Hüttwinkltal (1280 m) 12 VIII 1985. Glade; 1 ♀; Krumltal (1350 m) 30 VI 1984. Spruce forest; 1 ♂; host unknown. Palaearctic element.

154. ! *Eclytus multicolor* (KRIECHBAUMER, 1896). Siglitztal (1750 m) 22 VII 1986. Pasture; 1 ♀ 1 ♂; hosts: *Arge nigripes* RETZ., *A. ochropus* GMEL., *A. pagana* PANZ., *A. ustulata* L. (*Argidae*). Euro-Siberian element.

155. *Eclytus exornatus* (GRAVENHORST, 1883). Seidlwinkltal (1850 m) 24 VII 1985. Larch forest; 1 ♀; Grubereck (2150 m) 16 VIII 1985. High-mountain grassland; 1 ♀; hosts: *Pristiphora erichsoni* HTG., *Tortrix* sp. (*Tortricidae*). Euro-Siberian element.

156. ! *Ecyllus egregius* KASPARYAN, 1981. Bucheben (1000 m) 30 VIII 1985. Alder-willow scrub; 2 ♀; Fush (950 m) 29 VII 1985. Meadow; 1 ♀; hosts: *Croes septentrionalis* L., *C. latipes* VILL. (*Tenthredinidae*). Holarctic element.

157. ! *Hercus fontinalis* (HOLMGREN, 1855). Bucheben (1050 m) 27 VII 1985. Meadow; 1 ♀; Badgastein (1000 m) 24 VII 1985. Alder-willow scrub; 2 ♀; host unknown. Holarctic element.

158. *Neliopisthus elegans* (RUTHE, 1855). Kötschachtal (1200 m) 14 VII 1984. Forest glade; 2 ♀; Frohnalm (1250 m) 22 VIII 1985. Meadow; 1 ♀; host unknown. Holarctic element.

159. *Thymaris collaris* (THOMSON, 1886). Seidlwinkltal (1200 m) 13 VI 1984. Spruce forest; 1 ♀; Kitzstein (1300 m) 26 VII 1985. Spruce forest; 2 ♀; host unknown. Euro-Siberian element.

160. ! *Thymaris tristrigator* AUBERT, 1960. Badgastein (100 m) 21 VII 1985. Alder-willow scrub; 1 ♀; Angertal (1400 m) 3 IX 1984. Spruce forest; 1 ♀; host unknown. European element.

161. *Oedemopsis scabriculus* (GRAVENHORST, 1829). Salezen Htt. (1550 m) 3 IX 1984. Spruce forest; 1 ♀; host unknown. Euro-Siberian element.

162. *Cladeutes discedens* (WOLDSTEDT, 1973). Frohnalm (1450 m) 22 VIII 1985. Forest glade; 1 ♀ 1 ♂; Fushtal (950 m) 19 VIII 1985. Alder-willow scrub; 1 ♀; host unknown. Euro-Siberian element.

163. ! *Dyspetes arrogator* HEINRICH, 1949. Seidlwinkltal (1000 m) 14 VI 1984. Alder-willow scrub; 1 ♀ 1 ♂; hosts: *Tenthredo* sp., *Tenthredopsis* sp., *Aglaostigma aucupariae* KL. (*Tenthredinidae*). Palaearctic element.

164. *Cosmoconus ceratophorus* (THOMPSON, 1888). Heimalm (1300 m) 30 VIII 1985. Spruce forest; 4 ♀ 2 ♂; Frohnalm (1400 m) 22 VIII 1985. Forest glade; 3 ♀; host unknown. Palaearctic element.



165. ! *Cosmoconus nigriventris* KASPARYAN, 1981. Bucheben (1050 m) 12 IV 1986. Meadow; 2 ♀; M.<F131MaDYLEWSKA leg. host unknown. Euro-Siberian element.
166. *Cosmoconus elongator* (FABRICIUS, 1775). Kötschachtal (1000 m) 15 VI 1984. meadow; 3 ♂; Hüttwinktal (1300 m) 12 VIII 1985. Spruce forest; 1 ♀ 1 ♂; host unknown. Euro-Caucasian element.
167. ! *Cosmoconus hinzi* KASPARYAN, 1981. Fush (950 m) 15 VI 1986. Alder-willow scrub; 2 ♀; Bucheben (1050 m) 14 VI 1984. Meadow; 1 ♂; host unknown. European element.
168. *Cosmoconus genalis* (STROBL, 1904). Badgastein (1000 m) 23 VI 1984. Meadow; 2 ♀ 1 ♂; host unknown. European element.
169. *Tryphon nigripes* HOLMGREN, 1855. Durchgangalm (1700 m) 1 VIII 1985. Forest glade; 2 ♀; Grubereck (2150 m) 16 VIII 1985. High-mountain grassland; 1 ♀; host unknown. European element.
170. *Tryphon atriceps* (STEPHENS, 1835). Poserhöhe (1600 m) 20 VI 1984. Spruce forest; 2 ♀; Feldereralm (1700 m) 12 VIII 1984. Forest glade; 1 ♀; hosts; *Dolerus* sp., *Loderus* sp. (*Tenthredinidae*). Euro-Caucasian element.
171. *Tryphon auricularis* THOMSON, 1883. Kitzstein (1300 m) 26 VII 1985. Spruce forest; 3 ♀ 1 ♀ Hüttwinktal; (1350 m) 12 VIII 1985. Spruce forest; 1 ♀; host unknown. Montane element.
172. *Tryphon bidentulus* THOMSON, 1883. Kötschachtal (1150 m) 23 VII 1986. Forest glade; 1 ♀ 1 ♂; slope of Ritterkopf (2000 m) 11 VIII 1985. Larch forest; 1 ♀; host unknown. Euro-Siberian element.
173. *Tryphon trochanteratus* HOLMGREN, 1855. Angertal (1350 m) 3 IX 1985. Spruce forest; 1 ♂; Salezen Htt. (1700 m) 12 VIII 1985. Spruce forest; 2 ♀; host unknown. Euro-Caucasian element.
174. *Tryphon thomsoni* (ROMAN, 1938). Karalm (1500 m) 16 VIII 1985. Spruce forest 3 ♀ 1 ♂; host unknown. Euro-Caucasian element.
175. *Tryphon signator* GRAVENHORST, 1829. Slope of Ritterkopf (1950 m) 10 VIII 1985. Larch forest; 1 ♀; Feldereralm (1700 m) 3 VIII 1985. Spruce forest; 1 ♂; Angertal (1350 m) 3 IX 1985. Spruce forest; 1 ♀; host unknown. Euro-Siberian element.
176. *Tryphon relator* THUNBERG, 1925. Kitzstein (1300 m) 19 VII 1985. Spruce forest; 3 ♂; Angertal (1250 m) 30 VIII 1985. Forest glade; 1 ♀; Durchgangalm (1700 m) 13 VIII 1985. Larch forest; 1 ♀; host unknown. European element.
177. *Tryphon rutilator* (LINNAEUS, 1761). Badgastein (1350 m) 23 VI 1984. Larch forest; 2 ♀ 1 ♂; Bucheben (1200 m) 9 VI 1984. Spruce forest; 1 ♀; host unknown. Euro-Asiatic element.
178. ! *Tryphon rarus* KASPARYAN, 1969. Slope of Ritterkopf (1950 m) 10 VIII 1985. Larch forest; 2 ♀; host unknown. European element.
179. *Neleges proditor* (GRAVENHORST, 1829). Fusch (950 m) 15 VI 1986. Alder-willow scrub; 1 ♀ 2 ♂; host unknown. Subpontic element.



180. ! *Monoblastus discedens* (SCHMIEDEKNECHT, 1912). Stanzcharte (2000 m) 9 VII 1985. Pasture; 2 ♀; slope of Kolm Saigurn (1700 m) 6 VI 1984. Spruce forest; 1 ♂; host unknown. European element.

181. ! *Monoblastus fulvescens* (FONSCOLOMBE, 1849). Frohnalm (1350 m) 14 VI 1984. Spruce forest; 2 ♀; host unknown. Mediterranean element.

182. ! *Monoblastus brachyacanthus* (GMELIN, 1790). Hochalm (1600 m) 13 VII 1984. Pasture; 1 ♀; Bucheben (1050 m) 10 VIII 1984. Alder-willow scrubs; 2 ♂; host: *Athalia rosae* L. (*Tenthredinidae*). Subpontomediterranean element.

183. *Monoblastus luteomarginatus* (GRAVENHORST, 1829). Posehöhe (1600 m) 4 VII 1986. Spruce forest; 3 ♀ 1 ♂; Steinalm (1300 m) 6 IX 1985. Meadow; 1 ♂; host unknown. Euro-Siberian element.

184. *Monoblastus caudatus* HARTIG, 1837. Feldereralm (1700 m) 2 VII 1984. Spruce forest; 1 ♀ 1 ♂; host unknown; European element.

185. *Monoblastus marginellus* (GRAVENHORST, 1829). Hochalm (1600 m) 13 VII 1984. Pasture; 2 ♀; host unknown. European element.

186. *Grypocentrus cincitellus* RUTHE, 1855. Angertal (1550 m) 30 VII 1985. Glade; 1 ♀ 2 ♂; host: *Fenusa* sp. (*Tenthredinidae*) (SCHMIEDEKNECHT, 1912). European element.

187. *Polyblastus varitarsus* (GRAVENHORST, 1829). Kolm Saigurn (2100 m) 10 VII 1984. Forest glade; 2 ♀; Grubereck (2150 m) 16 VIII 1985. High-mountain grassland; 1 ♂; hosts: *Nematus oligospilus* FOERST., N. sp. (*Tenthredinidae*). Holarctic element.

188. *Polyblastus wahlbergi* HOLMGREN, 1855. Slope of Ritterkopf (1950 m) 10 VIII 1985. Larch forest; 2 ♀ 3 ♂; hosts: *Anoplonyx* sp., *Pristiphora testacea* JUR., *Fenusa pusilla* LEP. (*Tenthredinidae*). Palaearctic element.

189. ! *Polyblastus macrocentrus* THOMSON, 1888. Karalm (1500 m) 15 VIII 1985. Spruce Forest; 3 ♀ 1 ♂; Krumltal (1700 m) 12 VIII 1985. Larch forest; 1 ♀; host: *Hoplocampa brevis* KL. (*Tenthredinidae*). European element.

190. *Polyblastus westringi* HOLMGREN, 1855. Feldereralm (1650 m) 3 VIII 1985. Spruce forest; 2 ♀ 1 ♂; hosts: *Pristiphora laricis* HTG., *P. wesmaeli* TISCHB. (*Tenthredinidae*). Palaearctic element.

191. ! *Polyblastus alternans* SCHIDTE, 1839. Hüttenkogel (1200 m) 23 VI 1984. Spruce forest; 3 ♂ 1 ♀; host unknown. European element.

192. ! *Polyblastus stenocentrus* HOLMGREN, 1855. Angertal (1350 m) 3 IX 1985. Spruce forest; 3 ♀ 2 ♂; Salezen Htt. (1650 m) 1 VIII 1985. Spruce forest; 1 ♂; Steinalm (1200 m) 27 VI 1984. Forest glade; 1 ♀; hosts: *Pristiphora abietina* CHRIST., *Pachynematus imperfectus* ZADD., *P. montanus* ZADD. (*Tenthredinidae*). Holarctic element.

193. *Ctenochira propinqua* (GRAVENHORST, 1829). Edlenkogel (1350 m) 19 VI 1984. Spruce forest; 1 ♀; Stubnerkogel (2100 m) 4 VI 1986. Larch forest; 2 ♂; Slope of Ritterkopf (1950 m) 19 VII 1984. Larch forest; 2 ♀ host unknown. Palaearctic element.

194. ! *Ctenochira rubranator* AUBERT, 1965. Gaisbachtal (950 m) 27 VII 1985. Meadow; 2 ♀ 2 ♂; Bucheben (1050 m) 27 VI 1984. Spruce forest; 3 ♀ 4 ♂; hosts: *Tenthredinidae*. Euro-Caucasian element.



195. ! *Ctenochira pectinata* (BAUER, 1958). Angertal (1500 m) 12 VIII 1985. Spruce forest; 2 ♀ 1 ♂; hosts: *Tenthredinidae*. Euro-Siberian element.
196. ! *Ctenochira pratensis* (GRAVENHORST, 1829). Heimalm (1300 m) 30 VIII 1985. Spruce forest; 1 ♀ 2 ♂; hosts: *Tenthredinidae*. Euro-Caucasian element.
197. *Ctenochira marginata* (HOLMGREN, 1855). Feldereralalm (1750 m) 27 VI 1984. Larch forest; 3 ♀; Poserhöhe (1650 m) 20 VI 1984. Spruce forest; 1 ♀ 4 ♂; hosts: *Tenthredinidae*. Euro-Caucasian element.
198. *Ctenochira validicornis* (BRISCHKE, 1871). Durchgangalm (1700 m) 17 VIII 1985. Spruce forest; 2 ♀ 5 ♂; Krumltal (1250 m) 14 VIII 1986. Spruce forest; 1 ♀; Bucheben (1100 m) 9 VIII 1985. Spruce forest; 3 ♀ 1 ♂; hosts: *Tenthredinidae*. Euro-Siberian element.
199. ! *Ctenochira taiga* KASPARYAN, 1972. Feldereralalm (1750 m) 27 VI 1984. Larch forest; 3 ♀ 3 ♂; slope of Stubnerkogel (1900 m) 19 VII 1984. Larch forest; 1 ♀ 1 ♂; Durchgangalm (1700 m) 13 VIII 1985. Larch forest; 2 ♀; hosts: *Anoplonyx destructor* BENSON, *A. pectoralis* LEP., *A. duplex* LEP., *Pristiphora laricis* HTG. (*Tenthredinidae*). Euro-Siberian element.
200. ! *Ctenochira sphercephala* (GRAVENHORST, 1829). Kötschachtal (1200 m) 29 VII 1986. Spruce forest; 4 ♀ 3 ♂; Angertal (1550 m) 9 VII 1985. Spruce forest; 2 ♀; slope of Ritterkopf (2350 m) 9 VIII 1985. High-mountain grassland; 1 ♂; host: *Pachynematus montanus* ZADD. (*Tenthredinidae*). Palaearctic element.
201. ! *Ctenochira helveticator* AUBERT, 1965. Badgastein (1100 m) 4 IX 1984. Spruce forest; 2 ♀; hosts: *Tenthredinidae*. European element.
202. ! *Ctenochira infesta* (HOLMGREN, 1855). Bucheben (1200 m) 10 VIII 1986. Spruce forest; 3 ♀; Seidwinkltal (1250 m) 9 VIII 1985. Spruce forest; 2 ♂; hosts: *Tenthredinidae*. Palaearctic element.
203. ! *Ctenochira angulata* (THOMSON, 1883). Kolm Saigurn (1700 m) 10 VII 1984. Spruce forest; 5 ♀ 2 ♂; Siglitztal (1700 m) 29 VII 1985. Forest glade; 1 ♂; Edlenkogel (1950 m) 27 VI 1984. Larch forest; 1 ♀; hosts: *Tenthredinidae*. Palaearctic element.
204. *Ctenochira gelida* KASPARYAN, 1973. Hüttwinkltal (1250 m) 12 VII 1985. Forest glade; 2 ♀; Frohnalm (1200 m) 22 VIII 1985. Meadow; 1 ♂; Krumltal (1500 m) 15 VIII 1985. Spruce forest; 3 ♀; hosts: *Tenthredinidae*. Euro-Siberian element.
205. ! *Ctenochira flavicauda* (ROMAN, 1912). Karalm (1600 m) 3 VIII 1985. Spruce forest; 2 ♀; hosts: *Pristiphora abietina* CHRIST., *P. palmeni* FORSIUS (*Tenthredinidae*). European element.
206. *Ctenochira genalis* (THOMSON, 1883). Bucheben (1100 m) 8 VIII 1986. Spruce forest; 4 ♀ 1 ♂; Salezen Htt. (1550 m) 2 VIII 1985. Spruce forest; 1 ♀ 3 ♂; hosts: *Tenthredinidae*. Euro-Caucasian element.
207. *Ctenochira bisinuata* FÖRSTER, 1855. Kötschachtal (1150 m) 30 VII 1986. Spruce forest; 3 ♀; slope of Stubnerkogel (2100 m) 19 VI 1984. Larch forest; 1 ♀ 1 ♂; hosts: *Tenthredinidae*. Euro-Siberian element.
208. *Ctenochira rufipes* (GRAVENHORST, 1829). Feldereralalm (1700 m) 5 VIII 1985. Spruce forest; 2 ♂; Hochalm (1700 m) 11 VIII 1986. Spruce forest; 2 ♀ 1 ♂; hosts:



*Pachynematus scutellatus* HTG., *Pteronidea melanocephala* HTG. (*Tenthredinidae*). Palearctic element.

209. *Erromenus analis* (BRISCHKE, 1871). Bucheben (1050 m) 18 VIII 1985. Alder-willow scrub; 1 ♀; Fuschtal (950 m) 19 VIII 1985. Alder-willow scrub; 2 ♀ 1 ♂; hosts: *Pontania proxima* LEP., *P. leucosticta* HTG. Holarctic element.

210. *Erromenus zonarius* (GRAVENHORST, 1829). Slope of Ritterkopf (1850 m) 22 VIII 1985. Larch forest; 3 ♀; Angertal (1500 m) 12 VIII 1985. Spruce forest; 2 ♀ 1 ♂; hosts: *Nematinae*. Palearctic element.

211. ! *Erromenus junior* (THUNBERG, 1822). Siglitztal (1650 m) 29 VII 1985. Larch forest; 3 ♀; Angertal (1350 m) 3 IX 1985. Spruce forest; 2 ♀; hosts: *Nematinae*. Euro-Siberian element.

212. *Erromenus punctatus* (WOLDSTEDT, 1877). Feldereralm (1650 m) 8 VII 1986. Forest glade; 3 ♀; Kötschachtal (1000 m) 24 VII 1985. Spruce forest; 1 ♀; hosts: *Pristiphora abietina* CHRIST., *P. variipes* LQV., *Pachynematus montanus* ZADD. (*Tenthredinidae*). Palearctic element.

213. *Erromenus plebejus* (WOLDSTEDT, 1877). Steinalm (1300 m) 8 IX 1985. Spruce forest; 2 ♀; hosts: *Nematinae*. Palearctic element.

214. ! *Erromenus tarsator* AUBERT, 1969. Slope of Ritterkopf 1986. Larch forest; 2 ♀ 3 ♂; hosts: *Pristiphora abietina* CHRIST., *P. palidula* KNW., *P. wesmaeli* TISCHB. (*Tenthredinidae*). Euro-Siberian element.

215. *Kristotomus laticeps* (GRAVENHORST, 1829). Bucheben (1050 m) 7 VII 1984. Alder-willow scrub; 4 ♂ 1 ♂; Fuschtal (950 m) 30 VII 1985. Alder-willow scrub; 2 ♂; hosts: *Tenthredinidae*. Euro-Caucasian element.

216. *Kristotomus triangulatorius* (GRAVENHORST, 1829). Fuschtal (950 m) 30 VII 1985. Alder-willow scrub; 3 ♀ 1 ♂; Badgastein (1000 m) 21 VII 1985. Alder-willow scrub; 3 ♀; host: *Apethymus abdominalis* LEP. (*Tenthredinidae*). European element.

217. *Cycasis rubiginosa* (GRAVENHORST, 1829). Bucheben (1050 m) 7 VII 1984. Alder-willow scrub; 1 ♀ 3 ♂; hosts: *Monophadnoides alternipes* KL., *Cladius difformis* PANZ. (*Tenthredinidae*). Palearctic element.

218. *Acrotomus lucidulus* GRAVENHORST, 1829. Durchgangalm (1700 m) 1 VIII 1985. Spruce forest; 3 ♂; Seidlwinktal (1200 m) 13 VI 1984. Spruce forest; 2 ♀; host unknown. Palearctic element.

219. *Acrotomus succinctus* GRAVENHORST, 1829. Geisbachtal (950 m) 23 VII 1984. Meadow; 2 ♀; Kötschachtal (1200 m) 14 VII 1984. Forest glade; 1 ♂; host unknown. Palearctic element.

220. *Exyston sponsorius* (FABRICIUS, 1798). Krumltal (1450 m) 17 VI 1984. Spruce forest; 3 ♀ 1 ♂; Angertal (1350 m) 3 IX 1985. Spruce forest; 2 ♀ 3 ♂; hosts: *Nematinae*. Euro-Caucasian element.

221. ! *Exyston montanus* KERRICH, 1952. Angertal (1350 m) 3 IX 1985. Spruce forest; 3 ♂ 1 ♂; Hüttwinktal (1300 m) 12 VIII 1985. Forest glade; 3 ♀; hosts: *Nematinae*. Euro-Caucasian element.



222. ! *Exyston pratorum* (WOLDSTEDT, 1873). Slope of Ritterkopf (1950 m) 10 VIII 1985. Larch forest; 4 ♂; Feldereralalm (1700 m) 2 VII 1984. Spruce forest; 3 ♀ 2 ♂; Durchgangalm (1700 m) 13 VIII 1985. Larch forest; 2 ♀; hosts: *Nematinae*. Euro-Caucasian element.

223. *Exyston clementi* (KERRICH, 1952). Slope of Edlenkogel (2150 m) 27 VI 1984. Larch forest; 1 ♀ 2 ♂; Rauris (1200 m) 19 VI 1984. Spruce forest; 2 ♀; hosts: *Nematinae*. Euro-Caucasian element.

224. *Smicroplectrus perkinsorum* KERRICH, 1952. Seidlwinkltal (1250 m) 9 VIII 1985. Spruce forest; 5 ♀ 1 ♂; Poserhöhe (1600 m) 20 VI 1984. Spruce forest; 2 ♂; Kötschachtal (1200 m) 28 VII 1986. Spruce forest; 1 ♀; hosts: *Nematinae*. Euro-Caucasian element.

225. *Smicroplectrus bohemani* HOLMGREN, 1855. Krumltal (1350 m) 5 VIII 1985. Spruce forest; 1 ♀ 3 ♂; Grubereck (2150 m) 16 VIII 1985. High-mountain grassland; 3 ♀; hosts: *Nematus melanaspis* HTG. *N. pavidus* LEP. (*Tenthredinidae*). Palaearctic element.

226. ! *Eridolius bismaculatus* (HOLMGREN, 1854). Salezen Htt. (1650 m) 1 VIII 1985. Spruce forest; 2 ♀; Krumltal (1450 m) 17 VI 1984. Spruce forest; 1 ♂; Siglitztal (1700 m) 17 VI 1984. Forest glade; 1 ♂; hosts: *Nematinae*. Palaearctic element.

227. ! *Eridolius brevicornis* KASPARYAN, 1985. Poserhöhe (1650 m) 23 VI 1984. Spruce forest; 2 ♂; Kötschachtal (1200 m) 14 VII 1984. Forest glade; 1 ♂; hosts: *Nematinae*. Palaearctic element.

228. *Idiogramma euryops* (FOERSTER, 1850). Bucheben (1050 m) 7 VIII 1986. Forest glade; 1 ♀; hosts: *Xyleidae*. European element.

229. *Euceros albitarsis* CURTIS, 1829. Bucheben (1050 m) 22 VIII 1985. Alder-willow scrub; 1 ♀; Fuschthal (950 m) 19 VIII 1985. Alder-willow scrub; 1 ♀ 1 ♂; hosts: *Tenthredinidae*. Secondary parasite. Euro-Cucasian element.

### *Labeninae*

230. *Brachycyrtus ornatus* KRIECHBAUMER, 1872. Frohnalm (1450 m) 22 VIII 1985. Forest glade; 2 ♀; hosts: *Chrysopidae*. European element.

### *Adelognathinae*

231. *Adelognathus longithorax* KASPARYAN, 1986. Bucheben (1050 m) 24 VII 1985. Alder-willow scrub; 1 ♀; B. PIERONEK leg. Salezen Htt. (1700 m) 1 VIII 1985. Spruce forest; 1 ♂; host unknown. Holarctic element.

### *Xoridinae*

232. *Ischnoceros caligatus* (GRAVENHORST, 1829). Bucheben (1050 m) 7 VIII 1986. Alder-willow scrub; 4 ♀ 1 ♂; Seidlwinkltal (1000 m) 9 VIII 1985. Alder-willow scrub; 5 ♀



4 ♂; hosts: *Aromia moschata* L., *Arhopalus rusticus* L., *Leiopus nebulosus* L., *Rhagium bifasciatum* F., *R. inquisitor* L., *R. mordax* DEG., *Saperda carcharias* L. (*Cerambycidae*). Euro-Caucasian element.

233. *Ischnoceros rusticus* (GEOFFROY, 1954). Badgastein (100 m) 23 VII 1985. Alder-willow scrub; 3 ♀ 4 ♂; Bucheben (1050 m) 23 IV 1984. Alder-willow scrub; 2 ♀; M. DYLEWSKA leg. Hosts: *Aromia moschata* L., *Rhagium mordax* DEG., *Saperda carcharias* L. (*Cerambycidae*). Euro-Caucasian element.

234. *Odontocolon rufiventris* HOLMGREN, 1855. Angertal (1350 m) 3 IX 1985. Spruce forest; 2 ♀ 1 ♂; Feldereralm (1650 m) 3 VIII 1985. Spruce forest; 3 ♀ 4 ♂; host unknown. Holarctic element.

235. *Odontocolon spinipes* (GRAVENHORST, 1929). Kitzstein (1300 m) 26 VI 1985. Spruce forest; 2 ♀ 2 ♂; Siglitztal (1650 m) 29 VII 1985. Larch forest; 3 ♀ 1 ♂; Karalm (1500 m) 16 VIII 1985. Spruce forest; 2 ♀ 4 ♂; host: *Rhagium* sp. (*Cerambycidae*). Holarctic element.

236. *Odontocolon geniculatus* KRIECHBAUMER, 1872. Slope of Ritterkopf (2000 m) 11 VIII 1985. Larch forest; 1 ♀; Bucheben (1050 m) 23 VII 1985. Forest glade; 3 ♀ 1 ♂; host unknown. Holarctic element.

237. *Odontocolon dentipes* (GMELIN, 1959). Geisbachtal (950 m) 23 VIII 1984. Meadow; 3 ♂; Poserhöhe (1650 m) 23 VI 1984. Spruce forest; 1 ♀ 3 ♂; hosts: *Attagenus pellio* L. (*Dermestidae*), *Arhopalus rusticus* L., *Spondylis buprestoides* L. (*Cerambycidae*), *Mesites (Rhopalomesites) tardyi* CURT. (*Curculionidae*). Euro-Siberian element.

238. *Odontocolon quercinus* (THOMSON, 1873). Bucheben (1050 m) 10 VIII 1984. Alder-willow scrub; 3 ♀; host: *Mesites tardii* CURT. (*Curculionidae*). Euro-Caucasian element.

239. *Xorides annulator* (FABRICIUS, 1798). Badgastein (1000 m) 21 VII 1985. Alder-willow scrub; 2 ♀ 1 ♂; hosts: *Buprestidae*. Euro-Siberian element.

240. *Xorides propinquus* TSCHKE, 1868. Durchgangalm (1700 m) 1 VIII 1985. Spruce forest; 2 ♂; Feldereralm (1700 m) 12 VIII 1984. Forest glade; 3 ♀ 1 ♂; host unknown. Euro-Caucasian element.

241. *Xorides scaber* GRAVENHORST, 1829. Kötschachtal (1150 m) 23 VII 1986. Forest glade; 2 ♀ 2 ♂; Hüttwinkltal (1300 m) 12 VIII 1985. Spruce forest; 4 ♀; host unknown. European element.

242. *Xorides hedwigi* CLÉMENT, 1924. Poserhöhe (1600 m) 20 VI 1984. Spruce forest; 2 ♂; Bucheben (1050 m) 30 VIII 1985. Meadow; 1 ♀ 1 ♂; host unknown. Euro-Siberian element.

243. *Xorides praecatorius* FABRICIUS, 1798. Fuschthal (950 m) 19 VIII 1985. Alder-willow scrub; 2 ♀ 1 ♂; Angertal (1500 m) 12 VIII 1985. Spruce forest; 1 ♂; Frohnalm (1450 m) 22 VIII 1985. Forest glade; 3 ♀ 1 ♂; Seidlwinkltal (1000 m) 14 VI 1984. Alder-willow scrub; 3 ♂; A. KOSIOR leg. Hosts: *Agrilus sulcicollis* LACORD. (*Buprestidae*), *Aromia moschata* L., *Callidium aeneum* DEG., *C. violaceum* L., *Leiopus nebulosus* L., *Phymatodes*



*testaceus* L., *Pyrrhodium sanguineum* L., *Saperda scalaris* L., *Tetropium fuscum* F., *T. castaneum* L. (Cerambycidae). Euro-Asiatic element.

244. *Xorides indicatorius* (LATRILLE, 1809). Badgastein (1000 m) 24 VII 1985. Meadow; 2 ♀ 1 ♂; M. DYLEWSKA leg. Seidlwinkltal (1000 m) 9 VIII 1985. Alder-willow scrub; 1 ♀ 3 ♂; hosts: *Leiopus nebulosus* L. (Cerambycidae). European element.

245. *Xorides securicornis* (HOLMGREN, 1855). Bucheben (1050 m) 7 VIII 1986. Alder-willow scrub; 3 ♂; slope of Ritterkopf (2000 m) 11 VIII 1985. Larch forest; 1 ♀ 1 ♂; Salezen Htt. (1700 m) 1 VIII 1985. Spruce forest; 2 ♀; hosts: *Psoa dubia* ROSSI (Bostrychidae), *Hedobia pubescens* OL. (Anobiidae), *Phymatodes alni* L., *Ph. fasciatus* VILL. (Cerambycidae). Euro-Caucasian element.

246. *Xorides irrigator* (FABRICIUS, 1798). Feldereralm (1650 m) 3 VIII 1985. Spruce forest; 2 ♀ 3 ♂; Kitzstein (1300 m) 26 VII 1985. Spruce forest; 1 ♀ 1 ♂; hosts: *Acanthocinus carinulatus* GEBL., *Rhagium inquisitor* L., *Tetropium gabrieli* WEISE (Cerambycidae). Euro-Siberian element.

247. *Xorides annulatus* GRAVENHORST, 1829. Durchgangalm (1700 m) 13 VIII 1985. Larch forest; 3 ♀ 1 ♂; Badgastein (1050 m) 23 VI 1984. Pasture; 2 ♀; Krumltal (1250 m) 12 VI 1986. Spruce forest; 3 ♀ 4 ♂; host unknown. European element.

248. *Xorides fuligator* (THUNBERG, 1827). Kötschachtal (1200 m) 28 VII 1986. Spruce forest; 2 ♀; Rauris (950 m) 7 VIII 1986. Alder-willow scrub; 1 ♀; slope of Edlenkogel (2150 m) 27 VI 1984. Larch forest; 1 ♂; host unknown. Euro-Caucasian element.

### *Agriotypinae*

249. *Agriotypus armatus* CURTIS, 1829. Bucheben (1050 m) 8 VII 1986. Meadow; 2 ♀ 1 ♂; Badgastein (1000 m) 4 IX 1984. Meadow; 1 ♂; hosts: *Trichoptera*. European element.

### *Gelinae*

250. *Chirotica trifasciata* (THUNBERG, 1827). Grubereck (2150 m) 16 VIII 1985. High-Mountain grassland; 1 ♀; A. KOSIOR leg. Host: *Lepidopsyche unicolor* HUFN. (Psychidae). European element.

251. *Chirotica maculipennis* GRAVENHORST, 1829. Slope of Ritterkopf (2000 m) 11 VIII 1985. Larch forest; 2 ♀; host unknown. Euro-Siberian element.

252. *Encrateola laevigata* RATZBURG, 1848. Kötschachtal (1200 m) 28 VII 1986. Spruce forest; 4 ♀; Krumltal (1250 m) 12 VI 1986. Spruce forest; 1 ♀ 3 ♂; hosts: *Diadegma armillata* GRAV. (Ichneumonidae), *Apanteles dilectus* HAL., *Macrocentrus* sp. (Braconidae), *Lithocolletis* sp., *Mompha* sp., *Caloptilia* sp. (Momphidae). European element.

253. *Eudelus scabriculus* (THOMSON, 1873). Badgastein (1000 m) 23 VI 1984. Pasture; 1 ♀; Rauris (950 m) 7 VIII 1986. Alder-willow scrub; 2 ♀ 1 ♂; hosts: *Diadegma armillata*



GRAV. (*Ichneumonidae*), *Ascogaster quadridentatus* WESM. (*Braconidae*). European element.

254. *Acrolyta incisa* BRIDGMAN, 1880. Karalm (1500 m) 16 VIII 1985. Spruce forest; 2 ♀ 2 ♂; Badgastein (1000 m) 24 VII 1985. Meadow; 1 ♂; hosts: *Anarsia leneatella* Z. (*Galechiidae*), *Mompha fulvescens* HW. (*Momphidae*). European element.

255. *Acrolyta distincta* (BRIDGMAN, 1880). Angertal (1350 m) 3 IX 1985. Spruce forest; 4 ♀ 3 ♂; Badgastein (1000 m) 23 VII 1985. Alder-willow scrub; 3 ♀; host unknown. European element.

256. *Acrolyta incisa* BRIDGMAN, 1880. Bucheben (1050 m) 24 IV 1984. Forest glade; 2 ♀; M. DYLEWSKA leg. Krumltal (1700 m) 12 VIII 1985. Larch forest; 1 ♂; hosts: *Anarsia lineatella* Z. (*Gelechiidae*), *Mompha fulvescens* HW. (*Momphidae*). European element.

257. *Acrolyta trochanteralis* DALLA TORE, 1889. Feldereralm (1650 m) 8 VII 1986. Forest glade; 1 ♂; Kötschachtal (1400 m) 1 VI 1984. Spruce forest; 1 ♂; host unknown. European element.

258. *Acrolyta secernenda* SCHMIEDEKNECHT, 1933. Kitzstein (1300 m) 26 VII 1985. Spruce forest; 2 ♀ 1 ♂; host: *Apanteles glomeratus* L. (*Braconidae*). European element.

259. *Lysibia nana* (GRAVENHORST, 1829). Badgastein (1050 m) 23 VI 1983. Forest glade; 2 ♀; Bucheben (1200 m) 9 VI 1984. Spruce forest; 1 ♂; hosts: *Apanteles tibialis* CURT., *A. glomeratus* L., *A. melanoscelus* RATZ., *A. spurius* WESM. (*Braconidae*), *Aporia crataegi* L. (*Pieridae*). European element.

260. *Lysibia marginata* BRIDGMAN, 1889. Angertal (1250 m) 30 VII 1985. Meadow; 1 ♀; Slope of Stubnerkogel (1700 m) 19 VI 1984. Larch forest; 2 ♂; host unknown. Euro-Siberian element.

261. *Obisiphaga stenoptera* MARSHALL, 1890. Bucheben (1050 m) 9 VI 1984. Meadow; 2 ♀; Frohnalm (1250 m) 19 VI 1984. Spruce forest; 1 ♂; host: *Neobisium* sp. (*Pseudoscorpionida*). European element.

262. *Arotrephes speculator* (GRAVENHORST, 1829. Bucheben (1000 m) 30 VIII 1985. Pasture; 1 ♀; Fuschthal (950 m) 19 VIII 1985. Alder-willow scrub; 1 ♀ 1 ♂; host: *Calliphora vicina* R.-D. (*Calliphoridae*). European element.

263. *Xiphulcus additor* AUBERT, 1977. Seidlwinkltal (1000 m) 14 VI 1984. Alder-willow scrub; 2 ♀; host unknown. Holarctic element.

264. *Hemiteles bipunctatus* (THUNBERG, 1827). Bucheben (1050 m) 30 VIII 1985. Pasture; 1 ♀ 1 ♂; hosts: eggs of *Aranea*. Euro-Siberian element.

265. *Dichrogaster aestivalis* (GRAVENHORST, 1829). Badgastein (1000 m) 24 VIII 1985. Meadow; 1 ♀; Geisbachtal (950 m) 23 VIII 1984. Meadow; 2 ♀ 1 ♂; hosts: eggs of *Chrysopidae*. Euro-Caucasian element.

266. ! *Dichrogaster nigrithorax* HORSTMANN, 1967. Bucheben (1050 m) 30 VIII 1986. Meadow; 1 ♀; Badgastein (1000 m) 24 VII 1985. Meadow; 1 ♀; hosts: cocoon of *Chrysopidae*. Euro-Siberian element.



267. ! *Dichrogaster crassicornis* HORSTMAN, 1967. Krumltal (1700 m) 12 VIII 1985. Larch forest; 2 ♀; Angertal (1350 m) 3 IX 1985. Spruce forest; 1 ♀; Seidwinkltal (1000 m) 9 VIII 1985. Alder-willow scrub; 2 ♀; hosts: cocoon of *Chrysopidae*. European element.

268. *Gelis pumilus* (FOERSTER, 1868) Salezen Htt. (1700 m) 12 VIII 1985. Spruce forest; 1 ♀ 2 ♂; Hochalm (1600 m) 13 VII 1984. Pasture; 1 ♀; Frohnalm (1350 m) 14 VI 1984. Meadow; 2 ♀ 1 ♂; hosts: *Apanteles* sp. (*Braconidae*). European element.

269. *Gelis sericeus* (FOERSTER, 1868) Karalm (1500 n) 16 VIII 1985. Spruce forest; 1 ♀ 2 ♂; Kolm Saigurn (1700 m) 6 VI 1984. Spruce forest; 1 ♂; Steinalm (1300 m) 6 IX 1985. Meadow; 1 ♂; hosts: *Apanteles vitripennis* HAL., *Microgaster tibialis* NEES (*Braconidae*), *Camponotus* sp. (*Formicidae*). European element.

270. *Gelis areator* (PANZER, 1806). Kötschachtal (1100 m) 30 VII 1986. Spruce forest; 2 ♂; Edlenkogel (1350 m) 27 VI 1984. Spruce forest; 1 ♂; hosts: *Apanteles glomeratus* L., *A. melanoscelus* RATZ., *Meteorus ictericus* NEES, *M. pulchricornis* WESM., *M. versicolor* WESM. (*Braconidae*), *Pleolophus basizonus* GRAV., *Agrothereutes adustus* GRAV. (*Ichneumonidae*). Euro-Caucasian element.

271. *Gelis terebrator* (RATZEBURG, 1852). Seidlwinkltal (1000 m) 9 VIII 1985. Alder-willow scrub; 2 ♀ 1 ♂; Geisbachtal (950 m) 23 VIII 1985. Meadow; 1 ♀; hosts: *Bracon terebella* WESM. (*Braconidae*), *Agryloplote arbutella* L. (*Tortricidae*), *Leucoma salicis* L. (*Lymantriidae*). European element.

272. *Gelis zonatus* (FÖRSTER, 1868). Grubereck (2150 m) 16 VIII 1985. High-mountain grassland; 1 ♀; Feldereralm (1650 m) 8 VII 1986. Forest glade; 2 ♂; hosts: *Agelena mengeela* STRAND (*Agelenidae*). European element.

273. *Gelis pedicularius* FABRICIUS, 1804. Feldereralm (1650 m) 3 VIII 1985. Spruce forest; 1 ♀; Poserhöhe (1600 m) 4 VII 1986. Spruce forest; 1 ♂; hosts: *Diprion pini* L. (*Diprionidae*), *Psyche* sp., *Solenobia* sp. (*Psychidae*). European element.

274. *Gelis instabilis* (Förster, 1868). Slope of Kolm Saigurn (1700 m) 6 VI 1984. Spruce forest; 1 ♀ 2 ♂; slope of Stubnerkogel (2150 m) 3 VII 1984. Pasture; 1 ♀; Kötschachtal (1120 m) 30 VII 1986. Spruce forest; 1 ♀ 3 ♂; hosts: *Hyposoter ebeninus* GRAV., *Phobocampe pulchella* THOMS. (*Ichneumonidae*), *Apanteles tibialis* CURT., *A. glomeratus* L., *Microgaster tibialis* NEES, *Macrocentrus* sp. (*Braconidae*). Euro-Caucasian element.

275. *Gelis Steveni* (GRAVENHORST, 1829). Slope of Ritterkopf (1950 m) 19 VII 1984. Larch forest; 2 ♀; hosts: *Bathyplectes curculionis* THOMS. (*Ichneumonidae*), *Coleophora loricella* HB. (*Coleophoridae*). European-element.

276. *Mastrus inimicus* (GRAVENHORST, 1829). Hochalm (1750 m) 7 VII 1984. Larch forest; 1 ♀ 2 ♂; hosts: *Itamoplex leucocheir* RATZ., *Exenterus abruptorius* THUNB., *Theroscopus hemipterus* F., *Orthopelma mediator* THUNB. (*Ichneumonidae*). European element.

277. *Mastrus castaneus* TASCHENBERG, 1863. Edlenkogel 91950 m) 27 VI 1984. Larch forest; 1 ♀ 1 ♂; Seidlwinkltal (1200 m) 9 VIII 1985. Spruce forest 1 ♂; hosts: *Banchus femoralis* THOMS., *Exenterus abruptorius* THUNB. (*Ichneumonidae*), *Meteorus albiditar-*



sis CURT. (*Braconidae*), *Panzeria rudis* FALL. (*Tachinidae*), *Diprion pini* L. (*Diprionidae*). Euro-Caucasian element.

278. *Mastrus sordipes* (GRAVENHORST, 1829). Siglitztal (1700 m) 29 VII 1985. Forest glade; 2 ♀ 1 ♂; Krumltal (1550 m) 5 VIII 1986. Spruce forest; 2 ♀; hosts: *Apanteles spurius* WESM. (*Braconidae*), *Lobesia botrana* DEN. et SCHIFF., *Choristoneura murinana* HB. (*Tortricidae*), *Gilpinia polytoma* HTG. (*Diprionidae*). European element.

279. *Helcostizus restaurator* (FABRICIUS, 1798). Bucheben (1050 m) 11 VII 1984. Meadow; 1 ♀ 2 ♂; Badgastein (1000 m) 23 VII 1986. Spruce forest; 2 ♀; hosts: *Saperda populnea* L. (*Cerambycidae*). European element.

280. *Lochetica westoni* (BRIDGMAN, 1886). Bucheben (1000 m) 10 VII 1985. Alder-willow scrub; 1 ♂; Hüttwinkltal (1900 m) 5 VIII 1986. Spruce forest; 2 ♂ 1 ♀; host: *Passaloceus gracilis* CURT. (*Sphecidae*). European element.

281. *Rhembobius quadrispinus* (GRAVENHORST, 1829). Stanzscharte (2000 m) 9 VIII 1985. Pasture; 3 ♀ 1 ♂; Frohnalm (1350 m) 14 VI 1984. Spruce forest; 1 ♀; host: *Eristalis tenax* L. (*Syrphidae*). European element.

282. *Medophron afflictor* (GRAVENHORST, 1829). Slope of Kolm Saigurn (1700 m) 6 VI 1984. Spruce forest; 2 ♀ Stanzscharte (2000 m) 9 VII 1985. Pasture; 1 ♀ 2 ♂; host unknown. Euro-Siberian element.

283. *Medophron crassicornis* (GRAVENHORST, 1829). Kötschachtal (1100 m) 25 VII 1985. Meadow; 1 ♀; hosts: *Anthomyiidae*. European element.

284. *Endasys erythrogaster* (GRAVENHORST, 1829). Poserhöhe (1600 m) 4 VII 1986. Spruce forest; 3 ♀ 2 ♂; Frohnalm (1350 m) 14 VI 1984. Spruce forest; 1 ♀ 3 ♂; hosts: *Pristiphora abietina* CHRIST., *P. saxesenii* HTG., *Pachynematus montanus* ZADD., *P. scutallatus* HTG. (*Tenthredinidae*). European element.

285. *Endasys analis* (THOMSON, 1896). Feldereralm (1700 m) 2 VII 1984. Spruce forest; 1 ♀ 1 ♂; Seidlwinkltal (1200 m) 9 VIII 1985. Spruce forest; 2 ♀; hosts: *Tenthredinidae*. European element.

286. *Endasys brevis* (GRAVENHORST, 1829). Bucheben (1050 m) 2 VII 1986. Alder-willow scrub; 2 ♀ 1 ♂; Hüttwinkltal (1250 m) 12 VII 1985. Glade; 1 ♀ Krumltal (1350 m) 30 VI 1984. Spruce forest; 3 ♀; hosts: *Nematus ribesii* SCOP., *Pristiphora abietina* CHRIST., *Pachynematus montanus* ZADD. (*Tenthredinidae*), *Laspeyresia pomonella* L. (*Tortricidae*), *Malacosoma neustria* L. (*Lasiocampidae*). European element.

287. *Glyphicnemis profligator* (FABRICIUS, 1804). Bucheben (100 m) 30 VIII 1985. Alder-willow scrub; 2 ♀ 1 ♂; hosts: *Nematus acuminatus* THOMS., *Nematus crassus* FALL., *N. salicis* L., *Trichiocampus viminalis* L. (*Tenthredinidae*). European element.

288. *Bathythrix pellucidator* (GRAVENHORST, 1829). Durchgangalm (1650 m) 1 VIII 1985. Spruce forest; 3 ♀; hosts: *Syrphidae*. European element.

289. *Bathythrix aereus* (GRAVENHORST, 1829). Kitzstein (11300 m) 26 VII 1985. Spruce forest; 1 ♀; host: *Apanteles glomeratus* L. (*Braconidae*). European element.

290. *Tropistes falcatus* (THOMSON, 1896). Angertal (1250 m) 2 VIII 1985. Forest glade; 2 ♀; host: *Pemphredon lugubris* LATR. (*Sphecidae*). European element.



291. *Orthizema subannulata* (BRIDGMAN, 1886). Badgastein (1000 m) 2 VII 1985. Alder-willow scrub; 2 ♀; hosts: *Aegeria formicaeformis* ESP. (Aegeriidae), *Gelechia mulinella* Z. (Gelechiidae). European element.

292. *Therescopus micator* (GRAVENHORST, 1929). Hüttwinkltal (1300 m) 12 VIII 1985. Spruce forest; 2 ♀ 1 ♂; host: *Apanteles glomeratus* L. (Braconidae). European element.

293. *Therescopus pedestris* (GRAVENHORST, 1829). Badgastein (1000 m) 21 VII 1985. Meadow; 1 ♀; hosts: *Meteorus albiditarsis* CURT. (Braconidae), *Panzeria rudis* FALL. (Tachinidae). European element.

294. *Phygadeuon vagans* (GRAVENHORST, 1829). Grubereck (2150 m) 16 VIII 1985. High-mountain grassland; 1 ♀ *Panzeria rudis* FALL. (Tachinidae). European element.

295. *Phygadeuon ovatus* (GRAVENHORST, 1829). Slopes of Edlenkogel (2300 m) 11 VIII 1985. High-mountain grassland; 2 ♀ 1 ♂; host: *Delia brassicae* BOUCHE (Anthomyiidae). European element.

296. *Phygadeuon rusticellae* (BRIDGMAN, 1886). Hochalm (1600 m) 14 VIII 1984. Spruce forest; 3 ♀ 2 ♂; hosts: *Melenagromyza aeneiventris* FALL. (Agromyzidae), *Anthomyia pluvialis* L. (Anthomyiidae). European element.

297. *Phygadeuon trichops* (THOMSON, 1783). Slopes of Edlenkogel (2350 m) 11 VIII 1985. High-mountain grassland; 2 ♀; hosts: *Pegomyia betae* CURT., *Delia platura* MG. (Anthomyiidae). European element.

298. *Phygadeuon scaposus* (THOMSON, 1783). Kötschachtal (1500 m) 14 VII 1984. Slope of Ritterkopf (1990 m) 15 VI 1984. Larch forest; 2 ♀ 1 ♂; hosts: *Digonichaeta setipennis* FALL. (Tachinidae), *Pegomyia betae* CURT. (Anthomyiidae), *Rhagoletis alternatum* FALL. (Tephritidae). European element.

299. *Phygadeuon dumetorum* (GRAVENHORST, 1829). Kitzstein (1200 m) 26 VII 1985. Spruce forest; 2 ♀; host: *Ernestia* sp. (Tachinidae). European element.

300. *Ceratophygadeuon longiceps* (THOMSON, 1783). Frohnalm (1450 m) 7 VII 1984. Forest glade; 2 ♀ Bucheben (1050 m) 10 VIII 1984. Meadow; 1 ♂; host: *Panzeria rudis* FALL. (Tachinidae). European element.

301. *Stilpnus tenebricosus* (GRAVENHORST, 1829). Kötschachtal (1600 m) 14 VII 1984. Forest glade; 1 ♀ 2 ♂; Heimalm (1300 m) 12 VII 1984. Pasture; 2 ♀; hosts: *Hydrotaea dentipes* F. (Muscidae), *Delia brassicae* BOUCHÉ (Anthomyiidae). European element.

302. *Stilpnus gagates* (GRAVENHORST, 1829). Geisbachtal (950 m) 17 VIII 1985. Alder-willow scrub; 2 ♀ 2 ♂; hosts: *Pegomyia betae* CURT., *Delia brassicae* BOUCHÉ, *D. floralis* FALL. (Anthomyiidae). European element.

303. *Mesoleptus laevigatus* (GRAVENHORST, 1829). Fuschtal (950 m) 19 VIII 1985. Meadow; 1 ♀; host unknown. European element.

304. *Atractodes bicolor* (GRAVENHORST, 1829). Krumltal (1250 m) 12 VIII 1986. Spruce forest; 1 ♀ Poserhöhe (1650 m) 23 VI 1984. Spruce forest; 1 ♀ 1 ♂; host: *Calliphora vicina* R.-D. (Calliphoridae). European element.



305. *Atractodes exilis* (HALIDAY, 1832). Badgastein (1000 m) 23 VII 1985. Alder-willow scrub; 2 ♀<sup>⊙</sup> host: *Hydrotaea dentipes* F. (*Muscidae*). European element.
306. *Demopheles corruptor* (TASCHENBERG, 1863). Kötschachtal (1120 m) 30 VIII 1986. Spruce forest; 1 ♀ 2 ♂; Siglitztal (1700 m) 29 VII 1986. Spruce forest; 2 ♀; host: *Clytus* sp. (*Cerambycidae*). European element.
307. *Javra tricincta* (GRAVENHORST, 1829). Angertal (1350 m) 3 IX 1985. Spruce forest; 2 ♀; host unknown. European element.
308. *Paramothes parvula* (GRAVENHORST, 1829). Bucheben (1050 m) 7 VIII 1986. Forest glade; 2 ♂; host: *Allantus cinctus* L. (*Tenthredinidae*). European element.
309. *Cratocyprus furcator* (GRAVENHORST, 1829). Karalm (1500 m) 16 VIII 1985. Spruce forest; 1 ♀; host: *Cephalcia* sp. (*Pamphiliidae*). European element.
310. *Cubocephalus distinctor* (THUNBERG, 1827). Bucheben (1050 m) 11 VII 1984. Meadow; 1 ♂ 2 ♀ Kötschachtal (1000 m) 14 VII 1984. Alder-willow scrub; 1 ♀; host: *Aegeria spheciformis* DEN. et SCHIFF. (*Aegeriidae*) (MEYER, 1935). Holarctic element.
311. *Cubocephalus nigriventris* THOMSON, 1896. Badgastein (1000 m) 21 VII 1985. Alder-willow scrub; 1 ♀; host: *Allantus cinctus* L. (*Tenthredinidae*). European element.
312. *Cubocephalus subpetiolatus* (GRAVENHORST, 1829). Fuschthal (950 m) 19 VIII 1985. Alder-willow scrub; 2 ♀; host: *Passaloecus singularis* DHLB. (*Sphecidae*). European element.
313. *Echthrus reluctator* (LINNAEUS, 1758). Bucheben (1050 m) 11 VII 1984. Alder-willow scrub; 1 ♂ 1 ♀; host: *Saperda populnea* L. (*Cerambycidae*). European element.
314. *Oresbius puncticollis* (THOMSON, 1896). Feldereralm (1650 m) 3 VIII 1985. Spruce forest; 2 ♂ 1 ♀; host: *Pristiphora abietina* CHRIST. (*Tenthredinidae*). European element.
315. *Polytribax perspicillator* (GRAVENHORST, 1829). Angertal (1350 m) 30 VII 1985. Spruce forest; 1 ♂; Hochalm (1750 m) 7 VII 1984. Larch forest; 2 ♂; hosts: *Geometridae*. Euro-Caucasian element.
316. *Aconias tarsatus* (BRIDGMAN, 1880). Salezen Htt. (1600 m) 27 VII 1985. Spruce forest; 1 ♀; host unknown. Euro-Asiatic element.
317. *Plectocryptus alpinus* (KRIECHBAUMER, 1873). Edlenkogel (1950 m) 27 VI 1984. Larch forest; 2 ♀; host unknown. European element.
318. *Colcinema rufina* (GRAVENHORST, 1829). Krumltal (1550 m) 1986. Spruce forest; 1 ♂; Seidlwinkltal (1200 m) 9 VIII 1985. Spruce forest; 2 ♂; host unknown. European element.
319. *Giraudia gyratoria* (THUNBERG, 1827). Bucheben (1000 m) 11 VII 1984. Alder-willow scrub; 1 ♂ 1 ♀; hosts: *Tenthredinidae* (TOWNES, 1969). Euro-Caucasian element.
320. *Schenkia graminicola* (GRAVENHORST, 1829). Fuschthal (950 m) 19 VIII 1985. Meadow; 1 ♂ 2 ♀ Frohnalm (1250 m) 8 VII 1984. Meadow; 1 ♂; host: *Zygaena trifolii* ESP. (*Zygaenidae*). European element.



321. *Megaplectes monticola* (GRAVENHORST, 1829). Badgastein (1000 m) 21 VII 1985. Alder-willow scrub; 1 ♂; hosts: *Cimbicidae*. European element.

322. *Pleolophus brachypterus* (GRAVENHORST, 1829). Krumltal (1850 m) 17 VI 1984. Spruce forest; 1 ♂ 3 ♀ slope of Stubnerkogel (1850 m) 24 VII 1985. Spruce forest; 2 ♂; hosts: *Pristiphora abietina* CHRIST, *Nematus salicis* L. (*Tenthredinidae*). European element.

323. *Aptesis abdinator* (GRAVENHORST, 1829). Kötschachtal (1100 m) 9 25 VII 1985. Spruce forest; 1 ♂; Karalm (1500 m) 16 VIII 1985. Spruce forest; 2 ♀; host unknown. European element.

324. *Aptesis nigrocinctus* (GRAVENHORST, 1829). Feldereralm (1600 m) 3 VIII 1985. Spruce forest; 1 ♂ 2 ♀; hosts: *Nematus ribesii* SCOP., *N. salicis* L. (*Tenthredinidae*). European element.

325. *Listocryptus spatulatus* BRAUNS, 1905. Bucheben (1050 m) 11 VII 1984. Meadow; 1 ♂ 2 ♀; host unknown. European element.

326. *Apsilops cinctorius* (GRAVENHORST, 1829). Bucheben (1000 m) 27 VI 1984. Meadow; 1 ♀; host: *Nonagria typhae* THUNB. (*Noctuidae*). European element.

327. *Thrybius leucopygus* (GRAVENHORST, 1829). Seidlwinkltal (1250 m) 9 VIII 1985. Spruce forest; 1 ♀; host: *Archanara sparganii* ESP. (*Noctuidae*). European element.

328. *Agrothereutes abbreviator* (FABRICIUS, 1804). Salezen Htt. (1500 m) 27 VII 1985. Spruce forest; 3 ♂ 2 ♀; hosts: *Diprionidae*. European element.

329. *Agrothereutes fumipennis* (GRAVENHORST, 1829). Hütwinkltal (1300 m) 12 VIII 1985. Spruce forest; 1 ♂ 3 ♀ Poserhöhe (1600 m) 20 VI 1984. Spruce forest; 1 ♀; hosts: *Zygaenidae*. European element.

330. *Agrothereutes adustus* (GRAVENHORST, 1829). Durchgangalm (1700 m) 1 VIII 1985. Spruce forest; 1 ♂ 2 ♀; hosts: *Neodiprion sertifer* GEOFFR. (*Diprionidae*), *Dasychira pudibunda* L. (*Lymantriidae*). European element.

331. *Mesostenidea ligator* (GRAVENHORST, 1829). Badgastein (1200 m) 21 VII 1985. Meadow; 2 ♂ 1 ♀; hosts: *Zygaenidae*, *Malacosoma neustria* L. (*Lasiocampidae*), *Acrionicta rumicis* L. (*Noctuidae*). European element.

332. *Gambrus carnifex* (GRAVENHORST, 1829). Siglitztal (1600 m) 29 VII 1985. Forest glade; 1 ♂ 5 ♀ Karalm (1550 m) 16 VIII 1985. Spruce forest; 2 ♂; hosts: *Archanara geminipuncta* HW., *Chilodes maritima* TAUSCH., *Helicoverpa armigera* HB. (*Noctuidae*). European element.

333. *Aritranis confector* (GRAVENHORST, 1828). Bucheben (1050 m) 10 VIII 1984. Meadow; 2 ♂ 1 ♀; hosts: *Crossocerus leucostoma* L., *Ectemnius continuus* F. (*Sphecidae*). European element.

334. *Pycnocryptus director* (THUNBERG, 1827). Kötschachtal (1500 m) 14 VII 1984. Forest glade; 2 ♂ 3 ♀; hosts: *Pyrausta sambucalis* DEN. et SCHIFF. (*Pyraustidae*), *Lasiocampa quercus* L. (*Lasiocampidae*). European element.

335. *Hidryta sordidulus* (THOMSON, 1873). Slopes of Edlenkogel (2350 m) 11 VIII 1985. High-mountain grassland; 1 ♀; hosts: *Aranea*. European element.



336. ! *Idiolispa striata* SCHWARZ, 1988 (SCHWARZ, 1988). Feldereralm (1650 m) 3 VIII 1985. Spruce forest; 1 ♂ 1 ♀; host unknown. European element.
337. *Trychosis neglecta* (TSCHEK, 1868). Slopes of Edlenkogel (2350 m) 11 VIII 1985. High-mountain grassland; 1 ♂ 1 ♀; hosts: *Aranea*. European element.
338. *Enclisis vindex* (TSCHEK, 1868). Durchgangalm (1700 m) 1 VIII 1985. Spruce forest; 2 ♀; host unknown. European element.
339. *Ischnus alternator* (GRAVENHORST, 1829). Frohnalm (1450 m) 22 VIII 1984. Spruce forest; 2 ♂ 1 ♀; hosts: *Eupoecilia ambiguella* HB., *Lobesia botrana* DEN. et SCHIFF. (*Tortricidae*). European element.
340. *Ischnus inquisitorius* (MÜLLER, 1932). Bucheben (1050 m) 8 VIII 1985. Alder-willow scrub; 2 ♂ 3 ♀; hosts: *Lymantria dispar* L. (*Lymantriidae*), *Pandemis cerasana* HB., *Archips rosana* L. (*Tortricidae*). European element.
341. *Caenocryptus rufiventris* (GRAVENHORST, 1829). Badgastein (1000 m) 21 VII 1985. Alder-willow scrub; 3 ♀; hosts: *Talaeporia tubulosa* RETZ. (*Psychidae*), *Leucoptera lotella* STT. (*Lyonetiidae*). European element.
342. *Buathra laborator* (THUNBERG, 1827). Bucheben (1150 m) 12 VIII 1984. Forest glade; 1 ♂ 2 ♀; hosts: *Noctuidae*. Euro-Asiatic element.
343. *Itamoplex spinosus* (GRAVENHORST, 1829). Durchgangalm (1700 m) 1 VIII 1985. Spruce forest; 2 ♂ 3 ♀; hosts: *Argyresthia conjugella* Z. (*Argyresthiidae*), *Etiella zinckenella* TR. (*Phycitidae*). Euro-Asiatic element.
344. *Itamoplex diana* (GRAVENHORST, 1828). Seidlwinkltal (1200 m) 13 VI 1984. Spruce forest; 2 ♀ Hütwinkltal (1300 m) 12 VIII 1985. Spruce forest; 1 ♀; hosts: *Ectropis bistortata* GOEZE, *Alsophila aescularia* DEN. et SCHIFF. (*Geometriidae*). European element.
345. *Xylophrurus dispar* (THUNBERG, 1827). Kötschachtal (1100 m) 23 VII 1986. Alder-willow scrub; 1 ♂ 3 ♀; hosts: *Sarpeda carcharias* L., *S. populnea* L. (*Cerambycidae*). European element.
346. *Xylophrurus dentiferus* (THOMSON, 1873). Bucheben (1050 m) 12 VIII 1984. Alder-willow scrub; 1 ♀; hosts: *Cerambycidae*. Euro-Asiatic element.
347. *Meringopus pseudonymus* (TSCHEK, 1868). Frohnalm (1450 m) 22 VIII 1984. Forest glade; 2 ♀; hosts: *Noctuidae*. Palearctic element.
348. *Mesostenus grammicus* (GRAVENHORST, 1829). Kitzstein (1300 m) 26 VII 1985. Spruce forest; 1 ♂; Feldereralm (1700 m) 27 VI 1984. Forest glade; 2 ♀; hosts: *Pyrausta repandalis* DEN. et SCHIFF. *P. cingulata* L. (*Pyraustidae*). Euro-Asiatic element.
349. *Mesostenus obnoxius* (GRAVENHORST, 1825). Badgastein (1000 m) 23 VII 1985. Forest glade; 2 ♀; host: *Zygaena lonicerae* SCHEV. (*Zygaenidae*). Euro-Caucasian element.
350. *Acroricnus stylator* THUNBERG, 1827. Seidlwinkltal (1300 m) 9 VIII 1985. Forest glade; 1 ♀ 3 ♂; hosts: *Eumenes coarctatus* L., *Ancistrocersus oviventris* WESM. (*Eumenidae*). European element.



351. *Sphecophaga vesparum* (CURTIS, 1836). Bucheben (1050 m) 12 VIII 1985. Meadow; 1 ♀; hosts: *Vespa orientalis* L., *Paravespula rufa* L. (Vespidae). Euro-Asiatic element.

### *Lycorininae*

352. *Lycorina triangulifera* (HOLMGREN, 1855). Slope of Ritterkopf (1900 m) 10 VIII 1985. Larch forest; 1 ♀; hosts: *Lepidoptera*. Euro-Asiatic element.

### *Neorhacodinae*

353. *Neorhacodes enslini* RUSCHKA, 1922. Feldereralm (1600 m) 8 VII 1986. Forest glade; 2 ♀; host: *Spilomena troglodytes* v.d. LINDEN (*Sphecidae*). European element.

### *Banchinae*

354. *Stilbops abdominalis* (GRAVENHORST, 1829). Angertal (1350 m) 3 IX 1985. Spruce forest; 1 ♀; host: *Nemotois metallicus* PODA (*Adelidae*). Euro-Caucasian element.

355. ! *Stilbops plementaschi* HENSCH, 1930. Karalm (1500 m) 16 VIII 1985. Spruce forest; 2 ♂ 1 ♀; host unknown. European element.

356. ! *Stilbops robustus* KASPARYAN, 1984 (KASPARYAN, 1984). Kötschachtal (1000 m) 24 VII 1985. Spruce forest; 2 ♀; host unknown. Euro-Siberian element.

357. *Teleutaea striata* GRAVENHORST, 1929. Slope of Ritterkopf (1600 m) 10 VIII 1985. Spruce forest; 1 ♂ 1 ♀; hosts: *Adoxophyes orana* F.R., *Pandemis heparana* DEN. et SCHIFF (*Tortricidae*). Euro-Siberian element.

358. *Glypta nigrina* (DESVIGNES, 1850). Hütwinkltal (1300 m) 12 VIII 1985. Spruce forest; 1 ♀; hosts: *Ptycholoma lecheana* L., *Choristoneura murinana* HB. (*Tortricidae*). Euro-Siberian element.

359. *Glypta scutellaris* THOMSON, 1873. Slopes of Stubnerkogel (2000 m) 10 VI 1984. Larch forest; 1 ♂ 3 ♀; host: *Spilonota laricana* HEIN. (*Tortricidae*). European element.

360. *Lissonota nitida* (GRAVENHORST, 1829). Bucheben (1000 m) 2 VII 1986. Alder-willow scrub; 1 ♀; hosts: *Aegeria formicaeformis* ESP. (*Aegeriidae*), *Apamea anceps* DEN. et SCHIFF., *A. sordens* HUFN. (*Noctuidae*). Euro-Siberian element.

361. *Lissonota impressifrons* (THOMSON, 1873). Geisbachtal (950 m) 17 VIII 1985. Alder-willow scrub; 2 ♂ 2 ♀; hosts: *Aegeria formicaeformis* ESP., *A. spheciformis* DEN. et SCHIFF (*Aegeriidae*). European element.

362. *Alloplasta piceator* (THUNBERG, 1873). Poserhöhe (1600 m) 20 VI 1984. Spruce forest; 3 ♀; host unknown. Euro-Siberian element.



363. *Cryptopimpla genalis* THOMSON, 1873. Fuschtal (1000 m) 19 VIII 1985. Meadow; 1♂ 2♀; host unknown. Palearctic element.

364. *Syzeuctus tenuifasciatus* SCHMIEDEKNECHT, 1933. Durchgangalm (1600 m) 16 VIII 1985. Forest glade; 1♀; host unknown. Euro-Asiatic element.

365. *Exetastes notatus* HOLMGREN, 1855. Krumltal (1200 m) 12 VIII 1986. Forest glade; 2♀; host unknown. Euro-Asiatic element.

366. *Exetastes robustus* GRAVENHORST, 1829. Slope of Hochtor (1950 m) 27 VI 1984. Forest glade; 2♂ 1♀; hosts: *Mamestra brassicae* L., *Agrotis ypsilon* HUFN. (*Noctuidae*). Euro-Asiatic element.

367. *Exetastes fornicator* FABRICIUS, 1798. Hüttenkogel (2000 m) 18 VI 1984. Meadow; 3♂; host: *Mamestra brassicae* L. (*Noctuidae*). Holarctic element.

368. *Banchus compressus* FABRICIUS, 1798. Salezen Htt. (1550 m) 20 VI 1984. Forest glade; 1♂ 2♀ Hochtor (1950 m) 15 VII 1985. Forest glade; 3♀; host unknown. Euro-Asiatic element.

### *Ctenopelmatinae*

369. *Notopygus megerlei* TSCHKE, 1868. Bucheben (1050 m) 8 VII 1986. Alder-willow scrub; 1♂ 2♀; host unknown. Holarctic element.

370. *Notopygus emarginatus* (HOLMGREN, 1855). Fuschtal (950 m) 30 VIII 1985. Alder-willow scrub; 1♀; hosts: *Tenthredinoidea*. Holarctic element.

371. *Notopygus insignis* KRIECHBAUMER, 1872. Kötschachtal (1200 m) 15 VI 1984. Forest glade; 2♀; hosts: *Tenthredinoidea*. Holarctic element.

372. *Homaspis narrator* GRAVENHORST, 1829. Badgastein (900 m) 21 VII 1985. Alder-willow scrub; 1♂; host: *Pamphilius vafer* L. (*Pamphiliidae*). Holarctic element.

373. *Homaspis subalpina* SCHMIEDEKNECHT, 1900. Krumltal (1200 m) 17 VI 1984. Meadow; 1♀; host unknown. Holarctic element.

374. *Homaspis alpigena* HEINRICH, 1932. Bucheben (1050 m) 18 VIII 1985. Meadow; 2♀; host unknown. Holarctic element.

375. *Hodostates brevis* (THOMSON, 1873). Fuschtal (950 m) 29 VIII 1985. Alder-willow scrub; 1♀; host: *Eriocampa umbratica* KL. (*Tenthredinidae*). Holarctic element.

376. *Glyptorhaestus punctulatus* (WOLDSTEDT, 1873). Hütwinkltal (1250 m) 12 VIII 1985. Forest glade; 2♀; hosts: *Apethymus abdominalis* LEP., *A. braccatus* GMEL. (*Tenthredinidae*). Holarctic element.

377. *Rhorus mesoxanthus* (GRAVENHORST, 1829). Durchgangalm (950 m) 13 VIII 1985. Forest glade; 1♀; hosts: *Cimbex* sp., *Trichiosoma* sp. (*Cimbicidae*). Holarctic element.

378. *Rhorus austriator* AUBERT, 1988 (AUBERT, 1988). Angertal (1350 m) 12 VIII 1985. Meadow; 2♀; host unknown. Holarctic element.



379. *Rhaestus rufipes* BRAUNS, 1855. Feldereralm (1650 m) 11 VII 1985. Meadow 2 ♂ 1 ♀; host: *Empria tridens* KNW. (*Tenthredinidae*). European element.
380. *Sympherta styriacus* HEINRICH, 1935. Bucheben (1050 m) 8 VIII 1986. Alder-willow scrub; 1 ♀; hosts: *Tenthredinidae*. Holarctic element.
381. *Lathrolestes ensator* BRAUNS, 1905. Badgastein (850 m) 21 VII 1985. Alder-willow scrub; 2 ♂ 3 ♀; host: *Hoplocampa testudinea* KL. (*Tenthredinidae*). Holarctic element.
382. *Scolobates auriculatus* (FABRICIUS, 1804). Fuschthal (950 m) 30 VIII 1985. Meadow; 2 ♂; hosts: *Arge* sp. (*Argidae*). Holarctic element.
383. *Himerta defectiva* GRAVENHORST, 1829. Krumltal (1250 m) 14 VII 1984. Meadow; 1 ♀; host unknown. Holarctic element.
384. *Rhinotorus leucostomus* GRAVENHORST, 1829. Seidlwinkltal (1200 m) 13 VI 1984. Meadow; 1 ♂ 1 ♀ Badgastein (950 m) 7 VII 1984. Alder-willow scrub ; 1 ♀; host unknown. Holarctic element.
385. *Anoncus striatus* HEINRICH, 1930. Kötschachtal (1200 m) 15 VI 1984. Alder-willow scrub; 1 ♀; host unknown. Holarctic element.
386. *Alexeter multicolor* GRAVENHORST, 1829. Bucheben (950 m) 8 VIII 1986. Alder-willow scrub; 2 ♂; host: *Tenthredopsis* sp. (*Tenthredinidae*). Holarctic element.
387. *Lagarotis erythrocerops* HEINRICH, 1945. Poserhöhe (1600 m) 20 VI 1984. Meadow; 1 ♂ 1 ♀; host unknown. European element.
388. *Oltophorus inflammator*, 1965. Slope of Ritterkopf (1600 m) 22 VIII 1985. Forest glade; 1 ♀; host unknown. Holarctic element.
389. *Dentimachus morio* (HEINRICH, 1950). Seidlwinkltal (1200 m) 13 VI 1984. Spruce forest; 2 ♂; host unknown. European element.
390. ! *Lamachus splendidor* AUBERT, 1989. Bucheben (950 m) 18 VIII 1985. Forest glade; 1 ♂ 2 ♀; host unknown. Holarctic element.
391. *Hyperbatus segmentator* HOLMGREN, 1855. Steinalm (1300 m) 8 VIII 1986. Forest glade; 1 ♀; hosts: *Nematus melanaspis* HTG., *N. pavidus* LEP., *Croesus latipes* VILL., *C. septentrionalis* L., *Pristiphora testacea* (*Tenthredinidae*). Holarctic element.
392. *Anisotarsus tenellus* HOLMGREN, 1855. Fuschthal (950 m) 30 VIII 1986. Alder-willow scrub; 1 ♀; host unknown. European element.
393. *Hypsantix lituratoria* (PFANKUCH, 1906). Kötschachtal (1200 m) 15 VI 1984. Meadow; 2 ♂; hosts: *Diprion pini* L., *D. simile* HTG., *Gilpinia frutetorum* F., *G. pallida* KL. (*Diprionidae*). European element.

### *Phrudinae*

394. *Earobia paradoxa* PERKINS, 1902. Badgastein (900 m) 18 VIII 1985. Alder-willow scrub; 1 ♀; host: *Laricobius erichsoni* (*Derodontidae*). Holarctic element.



*Tersilochinae.*

395. *Probles longisetosus* HEDWIG, 1949. Feldereralm (1700 m) 11 VII 1985. Meadow, 2 ♀; host: *Dichotrachelus manuelei* MARS. (*Curculionidae*). European element.
396. *Nanodiaparsis frontellus* HOLMGREN, 1855. Bucheben (950 m) 7 VII 1984. Alder-willow scrub; 1 ♀; host: *Scolytus rugulosus* RATZ. (*Scolytidae*). European element.
397. *Tersilochus fuscus* HOLMGREN, 1855. Badgastein (850 m) 21 VII 1985. Meadow; 1 ♀; host unknown. European element.
398. *Tersilochus heterocerus* THOMSON, 1873. Bucheben (950 m) 7 VII 1984. Meadow; 1 ♀; host: *Meligethes* sp. (*Nitidulidae*). European element.
399. ! *Tersilochus spiracularis* HORSTMANN, 1981. Steinalm (1250 m) 2 VIII 1985. Spruce forest; 1 ♀; host unknown. European element.
400. *Tersilochus tripartitus* THOMSON, 1896. Hütwinkltal (1300 m) 12 VIII 1985. Forest glade; 2 ♀; host: *Psylliodes chrysocephala* L. (*Chrysomelidae*). European element.
401. *Tersilochus fulvipes* GRAVENHORST, 1829. Durchgangalm (950 m) 1 VIII 1985. Spruce forest; 2 ♀; host: *Ceutorhynchus napi* GYLL. (*Curculionidae*). European element.

*Cremastinae*

402. ! *Cremastus lineatus* (GRAVENHORST, 1829). Badgastein (1000 m) 18 VIII 1985. Forest glade; 1 ♀; host unknown. Holarctic element.
403. *Temelucha confluens* GRAVENHORST, 1829. Poserhöhe (1600 m) 20 VI 1984. Forest glade; 1 ♀ Kötschachtal (1200 m) 15 VI 1984. Meadow; 1 ♀; host unknown. Holarctic element.
404. *Temelucha decorata* (GRAVENHORST, 1829). Edlenkogel (2150 m) 27 VI 1984. Larch forest; 2 ♂; Grubereck (2150 m) 16 VIII 1985. High-mountain grassland; 1 ♀; host unknown. Holarctic element.

*Campopleginae (Porizontinae)*

405. *Venturia picturator* AUBERT, 1977. Slope of Ritterkopf (1900 m) 22 VIII 1985. Larch forest; 1 ♀; Feldereralm (1700 m) 11 VII 1985. Spruce forest; 2 ♀; host: *Spermaphthora hornigi* LED. (*Phycitidae*). Euro-Asiatic element.
406. *Venturia deficiens* (GRAVENHORST, 1929). Siglitztal (1650 m) 29 VII 1985. Larch forest; 1 ♀; host unknown. Palearctic element.
407. ! *Venturia campoplegiformis* HORSTMANN, 1973. Salezen Htt. (1550 m) 2 VIII 1985. Spruce forest; 1 ♀; host unknown. European element.
408. *Bathypiestra carinata* (HORSTAMANN, 1974). Krumltal (1300 m) 17 VI 1984. Spruce forest; 1 ♀; host unknown. Euro-Asiatic element.



409. ! *Bathyplectes tibiator* (GRAVENHORST, 1829) (HORSTMANN, 1986). Hochalm (1750 m) 11 VIII 1986. Larch forest; 1 ♀; host unknown. Euro-Asiatic element.
410. ! *Biolysia infernalis* (GRAVENHORST, 1829) (HORSTMANN, 1986). Seidlwinkltal (1200 m) 13 VI 1984. Spruce forest; 1 ♀; host unknown. Euro-Asiatic element.
411. ! *Cymodusa declinator* (GRAVENHORST, 1829) (HORSTMANN, 1986). Feldereralm (1700 m) 11 VII 1985. Spruce forest; 2 ♀; host unknown. European element.
412. ! *Cymodusa leucocera* HOLMGREN, 1856 (DBAR, 1984). Hüttwinkltal (1350 m) 12 VIII 1985. Spruce forest; 1 ♂; host: *Alsophilla aescularia* SCHIFF. (*Geometridae*), (MEYER, 1935). Palaearctic element.
413. ! *Cymodusa cruentata* GRAVENHORST, 1829. Poserhöhe (1600 m) 20 VI 1984. Spruce forest; 1 ♀; host: *Alsophilla aescularia* SCHIFF. (*Geometridae*), (MEYER, 1935). Palaearctic element.
414. ! *Cymodusa exilis* HOLMGREN, 1858. Krumltal (1400 m) 28 VII 1986. Spruce forest; 1 ♀; host unknown. Euro-Siberian element.
415. ! *Cymodusa convergator* (AUBERT, 1972). Edlenkogel (2150 m) 2 VII 1985. Larch forest; 1 ♀; host unknown. Mediterranean element.
416. ! *Camodusa antennator* HOLMGREN, 1858. Siglitztal (1650 m) 29 VII 1985. Larch forest; 1 ♀; host unknown. Euro-Siberian element.
417. ! *Cymodusa australis* SMITS VAN BURGST, 1912 (DBAR 1985). Kötschachtal (1200 m) 14 VII 1984. Meadow; 1 ♀; Krumltal (1250 m) 12 VI 1984. Forest glade; 1 ♂; host unknown. Palaearctic element.
418. ! *Benjaminia polonica* SAWONIEWICZ, 1973. Bucheben (950 m) 8 VII 1986. Meadow; 1 ♀; host unknown. European element.
419. *Nemeritis aequalis* HORSTMANN, 1973. Badgastein (1000 m) 21 VI 1985. Spruce forest; 2 ♀; Krumltal (1300 m) 12 VI 1984. Spruce forest; 1 ♀; hosts: *Raphidiidae*, *Cleridae*. Holarctic element.
420. ! *Nemeritis major* SZÉPLIGETI, 1916. Steinalm (1300 m) 8 VIII 1985. Spruce forest; 1 ♂ 1 ♀; hosts: *Raphidiidae*, *Cleridae*. Holarctic element.
421. ! *Nemeritis minor* SZÉPLIGETI, 1916. Salezen Htt. (1500 m) 2 VIII 1985. Spruce forest; 1 ♀; Siglitztal (1600 m) 29 VII 1985. Larch forests; 1 ♀; hosts: *Raphidiidae*, *Cleridae*. Holarctic element.
422. ! *Nemeritis caudata* SZÉPLIGETI, 1916. Slope of Ritterkopf (1650 m) 22 VIII 1985. Spruce forest; 2 ♀; hosts: *Raphidia maior* BURM. (*Raphidiidae*). Holarctic element.
423. *Nemeritis canaliculata* HORSTMANN, 1973. Poserhöhe (1600 m) 20 VI 1984. Spruce forest; 1 ♀; host: *Raphidia maior* BURM. (*Raphidiidae*). Holarctic element.
424. ! *Nemeritis specularis* HORSTMANN, 1973. Seidlwinkltal (1200 m) 13 VI 1984. Spruce forest; 1 ♀; hosts: *Raphidia flammi* ASP. et ASP., *R. nigricollis* ALB., *R. notata* F., *Inocellia braueri* ALB. (*Raphidiidae*). Holarctic element.
425. ! *Nemeritis fallax* GRAVENHORST, 1829. Feldereralm (1700 m) 10 VII 1985. Spruce forest; 1 ♂ 1 ♀; host: *Thanasimus substriatus* GELB. (*Cleridae*). Holarctic element.



426. ! *Nemeritis brevicauda* HORSTMANN, 1973. Kötschachtal (1150 m) 15 VI 1985. Meadow; 1 ♀; Hochalm (1800 m) 11 VIII 1986. Larch forest ; 1 ♀; hosts: *Cleridae*. Holarctic element.
427. *Dolophron nemorati* HORSTMANN, 1973. Bucheben (1050 m) 7 VII 1986. Alder-willow scrub; 2 ♀; host: *Heterarthrus nemoratus* FALL. (*Tenthredinidae*). Holarctic element.
428. ! *Tranosema mendicae* HORSTMANN, 1986. Badgastein (1000 m) 2 VII 1985. Alder-willow scrub; 1 ♀; host unknown. Holarctic element.
429. *Tranosemella praerogator* (LINNAEUS, 1758). Fuschthal (950 m) 30 VIII 1985. Alder-willow scrub; 1 ♀; host unknown. Holarctic element.
430. *Diadegma larinella* STROBL, 1901. Slope of Ritterkopf (1900 m). Larch forest; 2 ♀; host: *Coleophora laricella* HB. (*Coleophoridae*). Palaearctic element.
431. *Diadegma lithocolletis* HORSTMANN, 1973. Badgastein (1000 m) 21 VIII 1985. Alder-willow scrub; 1 ♀; host: *Lithocolletis embrezaepennella* BOUCHÉ (*Gracillariidae*). Palaearctic element.
432. *Diadegma crassicornis* (GRAVENHORST, 1829). Slope of Ritterkopf (1900 m) 9 VI 1984. Spruce forest; 1 ♀; Poserhöhe (1600 m) 20 VI 1984. Spruce forest; 1 ♀; host: *Hydraecia micacea* ESP. (*Noctuidae*). European element.
433. *Diadegma ledicola* HORSTMANN, 1973. Bucheben (1050 m) 18 VIII 1985. Alder-willow scrub; 2 ♀; host: *Deuterohyalina albida* ESP. (*Psychidae*). European element.
434. *Diadegma rufigaster* HORSTMANN, 1973. Feldereralm (1700 m) 11 VII 1985. Spruce forest; 1 ♀; host unknown. European element.
435. *Diadegma semiclausum* (HELLEN, 1958). Seidlwinkltal (1250 m) 13 VI 1984. Spruce forest; 1 ♀; host: *Plutella maculipennis* CURT. (*Plutellidae*). Palaearctic element.
436. *Diadegma incomplenta* HELLEN, 1958. Badgastein (1000 m) 21 VII 1985. Alder-willow scrub; 1 ♀; host: *Solenobia cembrella* L. (*Psychidae*). European element.
437. *Diadegma undulator* AUBERT, 1977. Bucheben (1050 m) 7 VII 1984. Alder-willow scrub; 1 ♂; host unknown. European element.
438. *Diadegma longicaudata* HORSTMANN, 1973. Durchgangalm (950 m) 13 VIII 1985. Spruce forest; 1 ♂; host unknown. European element.
439. *Diadegma simplificator* AUBERT, 1977. Kötschachtal (1200 m) 15 VI 1984. Meadow; 1 ♀; Krumltal (1250 m) 17 VI 1984. Spruce forest; 1 ♀; Hütwinkltal (1300 m) 12 VIII 1985. Forest glade; 2 ♀; host unknown. European element.
440. *Lathrostizus alponus* HORSTMANN, 1973. Salezen Htt. (1500 m) 2 VIII 1985. Spruce forest; 1 ♀; hosts: *Tenthredinidae*. European element.
441. *Lathrostizus flexicauda* HOLMGREN, 1889. Bucheben (1050 m) 7 VII 1984. Meadow; 1 ♂; hosts: *Trichicampus viminalis* L., *Nematus reticulatus* HOLMGREN (*Tenthredinidae*). European element.



### Ophioninae

442. *Stauropoctonus bombycivorus* GRAVENHORST, 1829. Badgastein (1000 m) 21 VII 1985. Alder-willow scrub; 1 ♂ 1 ♀; hosts: *Stauropus fagi* L. (Notodontidae), *Actias artemis* BREM. (Saturniidae). Palaearctic element.

443. *Enicospilus ramidulus* (LINNAEUS, 1758). Poserhöhe (1600 m) 20 VI 1984. Spruce forest; 1 ♀; slope of Ritterkopf (1900 m) 10 VII 1986. Forest glade; 1 ♀; host: *Panolis flammea* DEN. et SCHIFF. (Noctuidae). Palaearctic element.

444. *Anomalon foliator* FABRICIUS, 1804. Hochalm (1800 m) 11 VIII 1986. Larch forest; 1 ♂ 1 ♀; Seidlwinkltal (1200 m) 13 VI 1984. Spruce forest; 1 ♀; hosts: *Opatrum sabulosum* L., *Gonocephalum pusillum* F., *Pedinus femoralis* L. (Tenebrionidae). Palaearctic element.

445. *Therion circumflexum* (LINNAEUS, 1758). Steinalm (1300 m) 8 VIII 1985. Spruce forest; 1 ♂ 1 ♀; hosts: *Sphinx pinastri* L., *S. ligustri* L. (Sphingidae), *Odontosia ziczac* L. (Notodontidae), *Dendrolimus pini* L., *Lasiocampa trifolli* ESP. (Lasiocampidae), *Mythimna unipuncta* HW., *Mamestra pisi* L. (Noctuidae). Holarctic element.

446. *Trichogramma occisor* HABERMEHL, 1902. Salezen Htt. (1550 m) 2 VIII 1985. Spruce forest; 1 ♂ 1 ♀; host unknown. Palaearctic element.

447. *Aphanistes megasoma* HEINRICH, 1962. Bucheben (1000 m) 8 VIII 1986. Forest glade; 1 ♂; host: *Sphinx pinastri* L. (Sphingidae). Palaearctic element.

448. *Erigorgus melanops* FÖRSTER, 1876. Badgastein (850 m) 21 VII 1985. Forest glade; 1 ♀; hosts: *Rhyparia purpurata* L. (Arctiidae), *Parnassius apollo* L. (Papilionidae). Palaearctic element.

449. *Barylypa rubricator* SZÉPLIGETI, 1916. Fuschthal (950 m) 30 VIII 1985. Alder-willow scrub; 1 ♂ 1 ♀; host unknown. Palaearctic element.

450. *Trichionotus flexorius* THUNBERG, 1827. Krumltal (1300 m) 17 VI 1984. Spruce forest; 2 ♂ 1 ♀; Kötschachtal (1450 m) 15 VI 1984. Meadow; 2 ♀; hosts: Tortricidae, Gelechiidae, Pyraustidae, Phycitidae, Drepaniidae, Noctuidae, Papilionidae. Palaearctic element.

451. *Trichionotus clandestinus* GRAVENHORST, 1829. Angertal (1500 m) 12 VIII 1985. Spruce forest; 2 ♀; Poserhöhe (1600 m) 20 VI 1984. Spruce forest; 1 ♀; hosts: Plutellidae, Geometridae, Yponomeutidae. Palaearctic element.

452. *Atrometus insignis* AUBERT, 1969. Kötschachtal (1250 m) 15 VI 1984. Meadow; 1 ♂ 1 ♀; hosts: *Pachytelia villosella* OCHS. (Psychidae), *Zygaena carniolica* SCOP., *Z. laeta* HB. (Zygaenidae). Palaearctic element.

453. *Agrypon flaveolatum* GRAVENHORST, 1829. Badgastein (1000 m) 21 VII 1985. Alder-willow scrub; 1 ♀; Feldereralm (1700 m) 11 VII 1985. Spruce forest; 1 ♀; Hochalm (1800 m) 11 VIII 1986. Larch forest; 2 ♀; hosts: *Lobesia botrana* DEN. et SCHIFF., *Archips xylosteana* L. (Tortricidae), *Yponomeuta cognatellus* HB., *Y. evonymellus* L. (Yponomeutidae), Plutellidae, Phycitidae, Geometridae, Tetheidae, Noctuidae. Holarctic element.



*Metopiinae*

454. *Chorineus talpa* (HALIDAY, 1839). Slope of Ritterkopf (1900 m) 22 VIII 1985. Larch forest; 2 ♀; Angertal (1500 m) 12 VIII 1985. Spruce forest; 1 ♀; hosts: *Catantia semifascia* HOW. (*Gracilariidae*), *Zeiraphera griseana* HB., *Spinota laricana* HEIN. (*Tortricidae*) (AESCHLIMANN 1975). Euro-Asiatic element.

455. ! *Chorineus scrobipalpa* AESCHLIMANN, 1983. Grubereck (2150 m) 16 VIII 1985. Hight-mountain grassland; 1 ♀; hosts: *Scrobipalpa nitentella* FUCHS, *S. atriplicella* FISCHER (*Gelechiidae*) (AESCHLIMANN, 1983). European element.

456. ! *Chorineus australis* THOMSON, 1887. Bucheben (1000 m) 7 VII 1984. Alder-willow scrub; 2 ♂ 3 ♀; Badgastein (950 m) 21 VII 1985. Alder-willow scrub; 1 ♀; host: *Operophthera brumata* L. (*Geometridae*) (AESCHLIMANN 1975). Euro-Siberian element.

457. ! *Chorineus rhenanus* AESCHLIMANN, 1981. Fuschthal (950 m) 30 VIII 1985. Alder-willow scrub; 1 ♂ 1 ♀; Durchgangalm (950 m) 1 VIII 1985. Spruce forest; 1 ♀; host unknown. European element.

458. *Chorineus funebris* GRAVENHORST, 1829. Slope of Ritterkopf (1900 m) 22 VIII 1985. Larch forest; 2 ♀; Hochalm (1800 m) 11 VIII 1986. Larch forest; 1 ♀; hosts: *Zeiraphera griseana* HB. (*Tortricidae*), *Eupithecia nanata* HB. (*Geometridae*), *Teleia saltuum* ZELL., *Recurvaria leucatella* CL. (*Gelechiidae*), *Yponomeuta malinellus* ZELL. (*Yponomeutidae*). Holarctic element.

459. ! *Chorineus brevicalar* THOMSON, 1887. Ritterkopf (2000 m) 10 VII 1986. Forest glade; 1 ♂; host unknown. European element.

460. ! *Chorineus hastiana* AESCHLIMANN, 1975. Bucheben (1050 m) 18 VIII 1985. Forest glade; 1 ♂; host: *Acleris hastiana* L. (*Tortricidae*). European element.

461. *Chorineus longicalcar* THOMSON, 1887. Hütwinkltal (1300 m) 12 VIII 1985. Forest glade; 1 ♂; Angertal (1300 m) 12 VIII 1985. Spruce forest; 2 ♂; hosts: *Depressaria pastinacella* DUP., *Diurnea fagella* F. (*Oecophoridae*). Holarctic element.

462. ! *Trieles thuringiacus* (SCHMIEDEKNECHT, 1925). Feldereralm (1250 m) 11 VII 1985. Forest glade; 1 ♂; host unknown. Euro-Siberian element.

463. *Metopius dentatus* (FABRICIUS, 1779). Kötschachtal (1200 m) 15 VI 1984. Meadow; 2 ♂ 2 ♀; Poserhöhe (1550 m) 20 VI 1984. Spruce forest; 1 ♂; hosts: *Eudia pavonia* L. (*Saturniidae*), *Sphinx pinastri* L., *Proserpinus proserpina* PALL. (*Sphingidae*), *Gastropacha quercifolia* L., *Lasiocampa trifolii* ESP. (*Lasiocampidae*), *Cuculia blateriae* L. (*Noctuidae*). Euro-Caucasian element.

464. *Metopius croceicornis* THOMSON, 1887. Bucheben (1050 m) 7 VII 1984. Alder-willow scrub; 1 ♀; hosts: *Cerura vinula* L., *Stauropus fagi* L. (*Notodontidae*), *Lasiocampa trifolii* ESP. (*Lasiocampidae*). Palaearctic element.

465. *Metopius anxius* WESMAEL, 1849. Kötschachtal (1200 m) 15 VI 1984. Meadow; 2 ♂ 3 ♀; Bucheben (1050 m) 7 VII 1984. Alder-willow scrub; 1 ♂ 1 ♀; hosts: *Poecilocampa populi* L. (*Lasiocampidae*), *Leucoma salicis* L. (*Lymantriidae*), *Calaphasia casta* BKH., *Orthosia incerta* HUFN., *Moma alpium* OSB. (*Noctuidae*), *Endromis versicolora* L. (*Endromidae*). Euro-Caucasian element.



466. *Metopius vespoides* (SCOPOLI, 1763). Fuschthal (950 m) 30 VIII 1985. Alder-willow scrub; 1 ♂ 1 ♀; Badgastein (1000 m) 21 VII 1985. Alder-willow scrub; 2 ♂; hosts: *Eriogaster lanestris* L., *E. catax* L., *Malacosoma neustria* L., *Poecilocampa populi* L. (*Lasiocampidae*), *Cuculia scrophularis* CAP. (*Noctuidae*), *Stauropus fagi* L. (*Notodontidae*), *Spilosoma urticae* ESP. (*Arctiidae*), *Zerynthia polyxena* DEN. and SCHIFF. (*Papilionidae*). Euro-Caucasian element.

467. *Metopius connexorius* WESMAEL 1849. Bucheben (950 m) 8 VIII 1986. Alder-willow scrub; 2 ♂ 1 ♀; hosts: *Trachea atriplicis* L., *Mamestra brassicae* L. (*Noctuidae*). Euro-Asiatic element.

468. ! *Metopius longispina* CLÉMENT, 1930. Geisbachtal (950 m) 23 VIII 1984. Meadow; 2 ♀; host unknown. Euro-Siberian element.

469. *Metopius austriacus* CLÉMENT, 1930. Feldereralm (1650 m) 11 VII 1985. Forest glade; 1 ♂ 1 ♀; host unknown. European element.

470. *Metopius pinatorius* BRULLÉ, 1846. Badgastein (950 m) 21 VII 1985. Forest glade; 1 ♂ 2 ♀; hosts: *Saturnia pyri* DEN. et SCHIFF. (*Saturniidae*), *Cerura bifida* HB., *C. erminea* ESP., *Stauropus fagi* L. (*Notodontidae*), *Eriogaster lanestris* L., *Malacosoma neustria* L., *Poecilocampa populi* L. (*Lasiocampidae*), *Acronicta psi* L., *Noctua fimbriata* SCHREB., *Cryphia ravula* HB., *Hadena caesia* DEN. et SCHIFF. (*Noctuidae*). Euro-Asiatic element.

471. *Metopius leiopygus* FOERSTER, 1859. Badgastein (1000 m) 23 VI 1984. Meadow; 2 ♀; hosts: *Calophasia casta* BKH., *Eurois occulta* L., *Acronicta euphorbiae* SCHIFF. (*Noctuidae*). Euro-Caucasian element.

472. *Metopius brevispina* THOMSON, 1887. Kolm Saigurn (2000 m) 10 VII 1984. Forest glade; 1 ♀; host unknown. European element.

473. *Metopius paradoxus* CLÉMENT, 1930. Bucheben (1050 m) 23 VI 1984. Meadow; 2 ♀; host unknown. European element.

474. *Metopius croaticus* CLÉMENT, 1930. Hütwinkltal (1300 m) 12 VIII 1985. Forest glade; 1 ♂; host unknown. European element.

475. *Metopius erythropus* (KRIECHBAUMER, 1984). Kötschachtal (1200 m) 15 VI 1984. Meadow; 1 ♂ 2 ♀; host unknown. European element.

476. ! *Metopius mediterraneus* CLÉMENT, 1930. Fuschthal (1000 m) 30 VIII 1985. Alder-willow scrub; 1 ♀; host unknown. Euro-Siberian element.

477. *Metopius dissectorius* PANZER, 1805. Badgastein (1000 m) 18 VIII 1985. Alder-willow scrub; 2 ♂; hosts: *Biston betularius* L., *Ennomos alniaria* L., *Apeira syringaria* L., *Lycia hirtaria* CL., *Gonodontis bidentata* CL. (*Geometridae*), *Simyra albovenosa* GOEZE (*Noctuidae*). Euro-Siberian element.

478. ! *Metopius scrobiculatus* HARTIG, 1838. Bucheben (950 m) 2 VII 1986. Meadow; 1 ♂ 1 ♀; Durchgangalm (950 m) 1 VIII 1985. Spruce forest; 1 ♀; host unknown. Euro-Siberian element.

479. ! *Triclistus areolatus* THOMSON, 1887. Geisbachtal (950 m) 23 VIII 1984. Meadow; 2 ♀; host unknown. European element.



480. ! *Triclistus podagricus* GRAVENHORST, 1829. Bucheben (950 m) 2 VII 1986. Alder-willow scrub; 1 ♀; hosts: *Acrobasis tumidana* DEN. et SCHIFF. (*Phycitidae*), *Epinotia solandriana* L., *Eudemis profundana* DEN. et SCHIFF., *Ptychomoloides aeriferanus* H.-S., *Spilionota laricana* HEIN., *Tortricodes tortricella* HB., *Zeiraphera griseana* HB., *Z. isertana* F. (*Tortricidae*). Holarctic element.

481. ! *Triclistus spiracularis* THOMSON, 1887. Fuschthal (950 m) 30 VIII 1985. Alder-willow scrub; 1 ♀; Badgastein (1000 m) 21 VII 1985. Alder-willow scrub; 2 ♀; hosts: *Chloroclystis coronata* HB., *Epithecia trisignaris* H.-S. (*Geometridae*) (AESCHLIMANN 1973). Euro-Siberian element.

482. ! *Triclistus pallipes* HOLMGREN, 1873. Geisbachtal (950 m) 23 VIII 1983. Meadow; 2 ♀; hosts: *Strophedra weirana* DGL., *Rhopobota naevana* HB. (*Tortricidae*). Holarctic element.

483. *Triclistus pygmaeus* CRESSON, 1864. Krumltal (1200 m) 12 VI 1984. Spruce forest; 2 ♀; hosts: *Archips rosana* L., *Strophedra weirana* DGL., *Zeiraphera griseana* HB., *Z. ratzeburgiana* SAX. (*Tortricidae*). Holarctic element.

484. *Triclistus globulipes* DESVIGNES, 1856. Bucheben (1050 m) 18 VIII 1985. Forest glade; 1 ♂ 1 ♀; hosts: *Archips betulana* HB., *A. podana* SCOP., *A. xylosteana* L., *Argyrotaenia pulchellana* HW., *Choristoneura murinana* HB., *Epinotia carpana* F., *Tortrix viridana* L. (*Tortricidae*). European element.

485. ! *Triclistus niger* BRIDGMAN, 1883. Kötschachtal (1200 m) 15 VI 1984. Meadow; 1 ♂ 2 ♀; host unknown. European element.

486. ! *Triclistus alpinator* AUBERT, 1969. Seidwinkltal (1200 m) 13 VI 1984. Spruce forest; 2 ♂ 2 ♀; host unknown. European element.

487. *Triclistus aethiops* GRAVENHORST, 1829. Badgastein (950 m) 7 VII 1984. Alder-willow scrub; 2 ♂ 1 ♀; hosts: *Lathronympha strigana* F. (*Tortricidae*), *Agonopterix alpigena* FREY, *A. hypericella* HB. (*Oecophoridae*). European element.

488. ! *Triclistus squalidus* HOLMGREN, 1856. Bucheben (1050 m) 2 VII 1986. Alder-willow scrub; 1 ♂ 1 ♀; host: *Acrobasis* sp. (*Pyalididae*). Euro-Caucasian element.

489. ! *Triclistus pubiventris* THOMSON, 1887. Fuschthal (950 m) 30 VIII 1985. Meadow; 1 ♂ 2 ♂; hosts: *Acleris lativasciana* HB. (*Tortricidae*), *Choreutis pariana* CL. (*Choreutiidae*). European element.

490. ! *Triclistus congener* HOLMGREN, 1856. Seidwinkltal 13 VI 1984. Forest glade; 2 ♂ 2 ♀; hosts: *Perizoma alchemillata* L. (*Geometridae*), *Chorineus pariana* CL. (*Choreutidae*). European element.

491. *Colpotrochia cincta* SCOPOLI, 1763. Bucheben (950 m) 23 VI 1984. Alder-willow scrub; 2 ♀; host: *Leucania turca* L. (*Noctuidae*). European element.

492. ! *Periope auscultator* HALIDAY, 1839. Steinalm (1250 m) 29 VIII 1986. Forest glade; 1 ♂ 2 ♀; host unknown. Euro-Siberian element.

493. ! *Periope longiceps* BAUER, 1968. Feldereralm (1700 m) 11 VII 1985. Forest glade; 2 ♂ 2 ♀; host unknown. Euro-Siberian element.



494. ! *Drepanoctonus tibialis* PFANKUCH, 1911. Hütwinkltal (1300 m) 12 VIII 1985. Forest glade; 2 ♀; hosts: *Platypteryx binaria* HUFN. (*Drepanidae*), *Lophopteryx camelina* L. (*Notodontidae*). European element.
495. ! *Apolophus borealis* TOWNES, 1971. Bucheben (1050 m) 18 VIII 1985. Meadow; 2 ♀; host unknown. Holarctic element.
496. ! *Ischyrocnemis quadridens* PERKINS, 1962. Durchgangalm (950 m) 1 VIII 1985. Forest glade; 2 ♂; host unknown. European element.
497. ! *Lapton femoralis* NEES, 1816. Fuschthal (950 m) 30 VIII 1985. Alder-willow scrub; 1 ♂ 1 ♀; host unknown. European element.
498. ! *Hypsicera femoralis* (GEOFFROY, 1785). Bucheben (950 m) 2 VII 1986. Alder-willow scrub; 1 ♂ 3 ♀; Kötschachtal (1100 m) 15 VI 1984. Meadow; 1 ♂; host: *Choristoneura murinana* HB. (*Tortricidae*). Cosmopolitan element.
499. *Hypsicera curator* (FABRICIUS, 1793). Feldereralm (1700 m) 10 VII 1985. Meadow; 2 ♀; Seidlwinkltal (1200 m) 14 VI 1984. Forest glade; 1 ♂; hosts: *Yponomeuta malinellus* ZELL., *Y. padellus* L. (*Yponomeutidae*), *Tinea pellionella* L. (*Tineidae*), *Pyrallis farinalis* L. (*Pyrilidae*). Cosmopolitan element.
500. ! *Stetoncus sulcator* AUBERT, 1963. Poserhöhe (1600 m) 20 VI 1984. Forest glade; 1 ♂ 2 ♀; host unknown. Euro-Siberian element.
501. ! *Exochus pictus* HOLMGREN, 1856. Steinalm (1250 m) 8 VIII 1985. Forest glade; 2 ♂ 1 ♀; host unknown. Holarctic element.
502. ! *Exochus gravipes* GRAVENHORST, 1829. Frohnalm (1400 m) 23 VI 1984. Meadow; 1 ♂ 1 ♀; host unknown. Holarctic element.
503. ! *Exochus erythronotus* (GRAVENHORST, 1829). Hochalm (1600 m) 19 VI 1984. Meadow; 2 ♂ 3 ♀; hosts: *Lobesia botrana* DEN. et SCHIFF. (*Tortricidae*), *Euzophera punicella* MOORE (*Pyrilidae*). Euro-Caucasian element.
504. ! *Exochus longicornis* THOMSON, 1887. Bucheben (1050 m) 7 VII 1984. Alder-willow scrub; 2 ♀; host unknown. European element.
505. ! *Exochus vafer* HOLMGREN, 1873. Badgastein (1000 m) 21 VII 1985. Meadow; 1 ♂ 1 ♀; host unknown. European element.
506. ! *Exochus foveolatus* SCHMIEDEKNECHT, 1924. Fuschthal (950 m) 30 VIII 1985. Alder-willow scrub; 2 ♂ 2 ♀; host unknown. European element.
507. *Exochus consimilis* HOLMGREN 1856. Steinalm (1200 m) 8 VII 1984. Meadow; 3 ♀; host: *Ancylis myrtillana* TR. (*Tortricidae*). Holarctic element.
508. ! *Exochus tardigradus* GRAVENHORST, 1829. Geisbachtal (950 m) 23 VIII 1984. Meadow; 2 ♀; host unknown. Euro-Siberian element.
509. ! *Exochus lentipes* GRAVENHORST, 1829. Durchgangalm (950 m) 13 VIII 1985. Forest glade; host unknown. European element.
510. ! *Exochus separandus* SCHMIEDEKNECHT, 1924. Bucheben (1050 m) 8 VII 1986. Meadow; 2 ♂; Badgastein (1000 m) 22 VII 1984. Forest glade; 2 ♀; host unknown. European element.



*Mesochorinae*

511. ! *Mesochorus stigmator* THUNBERG, 1822. Kötschachtal (1200 m) 15 VI 1984. Forest glade; 1 ♂ 2 ♀; host: *Yponomeuta evonymellus* L. (*Yponomeutidae*). European element.

512. *Mesochorus alpigenus* STROBL, 1903. Heimalm (1300 m) 16 VI 1984. Meadow; 2 ♀; host unknown. European element.

513. ! *Mesochorus novus* KISS, 1924. Feldereralm (1650 m) 11 VII 1985. Spruce forest; 2 ♀; host unknown. European element.

514. ! *Mesochorus longicauda* THOMSON, 1885. Bucheben (1050 m) 19 VIII 1985. Forest glade; 1 ♂ 2 ♀; host unknown. European element.

515. ! *Mesochorus albipes* THOMSON, 1885. Krumltal (1200 m) 5 VIII 1986. Spruce forest; 2 ♂ 3 ♀; host: *Yponomeuta machalebella* GUENÉE (*Yponomeutidae*) (CONSTANTINEANU, MUSTATA 1982). European element.

516. ! *Mesochorus pectoralis* RATZEBURG, 1844. Hochalm (1800 m) 14 VII 1984. Forest glade; 1 ♂ 2 ♀; host unknown. European element.

517. ! *Strictopisthus bilineatus* (THOMSON, 1855). Badgastein 9950 m) 21 VII 1985. Alder-willow scrub; 2 ♂ 3 ♀; hosts: *Haematobia iritans* L. (*Muscidae*), *Plutella xylostella* L. (*Yponomeutidae*). Holarctic element.

518. *Dolichochorus longiceps* STROBL, 1903. Feldereralm (1700 m) 11 VII 1985. Spruce forest; 1 ♀; host unknown. European element.

519. ! *Astiphromma nigrum* PFANKUCH, 1921. Krumltal (1300 m) 12 VI 1984. Spruce forest; 2 ♀; host unknown. European element.

520. ! *Astiphromma albitarse* (BRISCHKE, 1880). Salezen Htt. (1500 m) 2 VIII 1985. spruce forest; 2 ♀; host unknown. European element.

*Acaenitinae*

521. *Coleocentrus caligatus* GRAVENHORST, 1829. Stubnerkogel (2100 m) 19 VI 1984. Spruce forest; 2 ♀; hosts: *Callidium* sp., *Tetropium castaneum* L. (*Cerambycidae*). European element.

522. *Arotes albicinctus* GRAVENHORST, 1829. Bucheben (1050 m) 2 VII 1986. Alder-willow scrub; 1 ♀; host: *Plagionotus arquatus* L. (*Cerambycidae*). Holarctic element.

*Microleptinae (Oxytorinae)*

523. *Microleptes aquisgranensis* FOERSTER, 1853. Bucheben 9950 m) 18 VIII 1985. Meadow; 2 ♀; hosts: *Mycetophilidae*. European element.



524. *Hemiphanes flavipes* FÖRSTER, 1853. Bucheben (1050 m) 18 VIII 1985. Meadow; 1 ♀; hosts: *Mycetophilidae*. Holarctic element.

### *Orthopelmatinae*

525. *Orthopelma mediator* THUNBERG, 1827. Salezen Htt. (1550 m) 2 VIII 1985. Spruce forest; 1 ♂; hosts: *Diplolepis mayri* SCHL., *D. rosae* L. (*Cynipidae*). Euro-Caucasian element.

### *Collyriinae*

526. *Collyria trichophthalma* THOMSON, 1873. Fuschtal (950 m) 30 VIII 1985. Meadow; 2 ♀; hosts: *Cephidae*. Euro-Siberian element.

### *Orthocentrinae*

527. *Orthocentrus protervus* HOLMGREN, 1855. Badgastein (900 m) 21 VIII 1985. Forest glade; 2 ♀; hosts: *Mycetophilidae*. European element.

528. *Orthocentrus longicornis* HOLMGREN, 1855. Bucheben (950 m) 8 VIII 1986. Meadow; 1 ♀; hosts: *Mycetophilidae*. European element.

### *Diplazontinae*

529. *Promethes bridgmani* (FITTON, 1976). Kötschachtal (1200 m) 14 VII 1984. Meadow; 2 ♀; hosts: *Syrphidae*. Holarctic element.

530. *Tymmophorus rufiventris* GRAVENHORST, 1829. Kolm Saigurn (1700 m) 9 VII 1984. Spruce forest; 1 ♀; hosts: *Syrphidae*. Holarctic element.

531. *Campocraspedon alpinus* HOLMGREN, 1857. Heimalm (1500 m) 6 VII 1984. Spruce forest; 2 ♀; hosts: *Syrphidae*. Holarctic element.

532. *Syrphoctonus abominator* BRIDGMAN, 1886. Siglitztal (1600 m) 29 VII 1985. Forest glade; 2 ♀; host unknown. Holarctic element.

### *Ichneumoninae*

533. *Alomya semiflava* STEPHENS, 1835. Seidlwinkltal (1200 m) 13 VI 1984. Forest glade; 1 ♂; host unknown. Palaearctic element.

534. *Rhexidermus nigricollis* WESMAEL, 1859. Feldereralm (200 m) 2 VII 1984. Meadow; 2 ♀; host: *Alucita galactodactyla* (*Pterophoridae*). European element.



535. *Dicaelotus inflexus* THOMSON, 1896. Slope of Kolm Saigurn (1900 m) 10 VII 1984. Spruce forest; 1 ♀; host unknown. European element.
536. *Dicaelotus gravis* GRAVENHORST, 1829. Poserhöhe (1600 m) 20 VI 1984. Spruce forest; 2 ♀; host unknown. European element.
537. *Colphognathus celerator* GRAVENHORST, 1829. Bucheben (950 m) 2 VII 1986. Alder-willow scrub; 2 ♀; Badgastein (950 m) 21 VII 1985. Forest glade; 1 ♂; hosts: *Pennisetia hylaeiformis* LASP. (*Aegeriidae*), *Ostrinia nubilalis* HB. (*Pyraustidae*). European element.
538. *Centeterus major* WESMAEL, 1859. Fuschtal (950 m) 30 VIII 1985. Alder-willow scrub; 2 ♀; hosts: *Pennisetia hylaeiformis* LASP. (*Aegeriidae*), *Archana geminipuncta* HW. (*Noctuidae*). European element.
539. *Herpestomus phaeocerus* WESMAEL, 1859. Badgastein (950 m) 20 VII 1985. Forest glade; 2 ♂; host unknown. European element.
540. *Herpestomus cordiger* STROBL, 1904. Angertal (1200 m) 30 VII 1986. Forest glade; 2 ♂; host unknown. European element.
541. *Herepestomus jugicola* STROBL, 1904. Kötschachtal (1200 m) 15 VI 1984. Meadow; 2 ♂; host unknown. European element.
542. ! *Stenodontus marginellus* GRAVENHORST, 1829. Seidlwinkltal (1200 m) 13 VI 1984. Spruce forest; 2 ♀ 1 ♂; host unknown. European element.
543. *Diadromus albinotatus* GRAVENHORST, 1829. Bucheben (1050 m) 23 VI 1984. Alder-willow scrub; 3 ♀; host unknown. European element.
544. *Diadromus intermedius* WESMAEL, 1844. Krumltal (1200 m) 12 VI 1984. Meadow; 2 ♀; host unknown. European element.
545. ! *Micrope macilenta* WESMAEL, 1844. Feldereralm (1450 m) 11 VI 1985. Meadow; 2 ♀ 2 ♂; host unknown. European element.
546. ! *Mevesia arguta* WESMAEL, 1848. Angertal (1350 m) 3 VII 1985. Forest glade; 1 ♀ 2 ♂; A. KOSIOR leg. Host unknown. European element.
547. *Proscus cephalotes* WESMAEL, 1844. Kitzstein (1300 m) 26 VII 1985. Forest glade; 3 ♂; hosts: *Aethes williana* BR. (*Tortricidae*), *Aegeria culiciformis* L. (*Aegeriidae*). European element.
548. *Phaeogenes maculicornis* STEPHENS, 1835. Bucheben (950 m) 23 VI 1984. Alder-willow scrub; 2 ♀; hosts: *Ptycholomoides aeriferanus* H.-S., *Choristoneura murinana* HB. (*Tortricidae*). European element.
549. *Phaeogenes socialis* RATZEBURG, 1848. Angertal (1250 m) 30 VII 1985. Meadow; 2 ♀; A. KOSIOR leg. Hosts: *Psyche viciella* DEN. et SCHIFF., *Fumea casta* PALL. (*Psychidae*). European element.
550. *Phaeogenes eques* WESMAEL, 1844. Badgastein (950 m) 21 VI 1985. Alder-willow scrub; 1 ♂; host: *Zeiraphera rufimitrana* H.-S. (*Tortricidae*). European element.



551. *Phaeogenes stipator* WESMAEL, 1944. Hützwinkltal (1300 m) 12 VIII 1985. Meadow; 2 ♀; hosts: *Orthotaelia sparganella* THUNB. (*Plutellidae*), *Depressaria daucella* DEN. et SCHIFF., *D. ultimella* STT. (*Oecophoridae*). European element.
552. ! *Asthenolabus latiscapus* THOMSON, 1873. Bucheben (950 m) 2 VI 1986. Alder-willow scrub; 2 ♀; host: *Catarhoe cuculata* HUFN, (*Geometridae*). Euro-Siberian element.
553. *Platylabus punctifrons* THOMSON, 1873. Bucheben (950 m) 23 VI 1984. Alder-willow scrub; 1 ♂; host: *Eupithecia subnotata* HB. (*Geometridae*). European-element.
554. *Cratichneumon coruscator* LINNAEUS, 1758. Kötschachtal (1200 m) 15 VI 1984. Meadow; 2 ♀ 1 ♂; hosts: *Semiothisa liturata* CL. (*Geometridae*), *Orthosia miniosa* DEN. et SCHIFF., *Griposia aprilina* L., *Euxoa nigricans* L. (*Noctuidae*). Euro-Caucasian element.
555. *Anisopygus pseudonymus* WESMAEL, 1844. Fuschthal (950 m) 30 VI 1985. Forest glade; 2 ♀; hosts: *Clostera anachoreta* DEN. et SCHIFF., *C. curtula* L., *C. pigra* HUFN. (*Notodontidae*), *Bena fagana* F. (*Noctuidae*). Palaearctic element.
556. *Aoplus sphinx* HEINRICH, 1962. Steinalm (1200 m) 11 VII 1985. Meadow; 3 ♂; host unknown. Holarctic element.
557. *Melanichneumon glaucatoriops* HEINRICH, 1962. Slope of Ritterkopf (1650 m) 9 VI 1984. Forest glade; 1 ♀; M. DYLEWSKA leg. Host unknown. Holarctic element.
558. *Barichneumon chionomus* WESMAEL, 1844. Heimalm (1300 m) 10 VI 1985. forest glade; 1 ♂; host: *Blepharita adusta* ESP. (*Noctuidae*). Holarctic element.
559. *Vulgichneumon deceptor* GRAVENHORST, 1829. Badgastein (950 m) 18 VII 1985. Alder-willow scrub; 2 ♀ 1 ♂; host unknown. Holarctic element.
560. *Sypsasis alboguttatus* GRAVENHORST, 1829. Bucheben (950 m) 7 VII 1984. Alder-willow scrub; 2 ♀; hosts: *Euproctis similis* FUESSLY, *Dasychira pudibunda* L. (*Lymantriidae*). Holarctic element.
561. *Ichneumon supersanguineus* HEINRICH, 1962. Hützwinkltal (1250 m) 12 VIII 1985. Forest glade; 1 ♀; B. PIERONEK leg. Host unknown. Holarctic element.
562. *Ichneumon ligatorius* THUNBERG, 1827. Slope of Poserhöhe (1200 m) 20 VI 1984. Spruce forest; 2 ♂; host: *Cerapteryx graminis* L. (*Noctuidae*). Holarctic element.
563. *Diphyus monitorius* PANZER, 1804. Feldereralm (1600 m) 2 VII 1984. Forest glade; 1 ♂; hosts: *Laothoe populi* L. (*Sphingidae*), *Perigrapha cincta* F. (*Noctuidae*). Holarctic element.
564. *Limerodops subsericans* GRAVENHORST, 1829. Slope of Stubnerkogel (1950 m) 19 VI 1984. Larch forest; 2 ♀ 1 ♂; host unknown. Holarctic element.
565. *Amblyteles armatorius* FÖRSTER, 1850. Kolm Saigurn (2100 m) 10 VII 1984. Forest glade; 2 ♂; host unknown. Holarctic element.
566. *Coelichneumon cyaniventris* GRAVENHORST, 1829. Frohnalm (1450 m) 22 VIII 1985. Larch forest; 1 ♀ 2 ♂; host: *Gonodontis bidentata* CL. (*Geometridae*). Holarctic element.



567. *Coelichneumon leucocerus* GRAVENHORST, 1829. Slope of Edlenkogel (1900 m) 27 VI 1984. Forest glade; 2 ♀; hosts: *Acrionicta megacephala* DEN. et SCHIFF., *Euxoa nigricans* L., *Mamestra persicariae* L. (*Noctuidae*). Holarctic element.

568. *Coelichneumon nigerrimus* STEPHENS, 1835. Hochalm (1750 m) 2 VII 1986. Forest glade; 3 ♀; host: *Orthosia gothica* L. (*Noctuidae*). Holarctic element.

569. *Coelichneumon dorsosignatus*, BERTHOUMIEU, 1896. Krumltal (1250 m) 12 VI 1984. Forest glade; 2 ♀; host unknown. Holarctic element.

570. *Protichneumon pisorius* (LINNAEUS, 1758). Bucheben (950 m) 2 VII 1986. Forest glade; 1 ♀ 2 ♂; hosts: *Sphinx pinastri* L., *S. ligustri* L., *Laothoe populi* L., *Smerinthus ocellatus* L. (*Sphingidae*). Holarctic element.

571. *Protichneumon fusorius* (LINNAEUS, 1758). Badgastein (950 m) 3 VII 1985. Forest glade; 2 ♀; hosts: *Sphinx pinastri* L., *Smerinthus ocellatus* L. (*Sphingidae*). Holarctic element.

### III. CONCLUSIONS

The investigations showed a great abundance of the Ichneumonidae parasitoids over a comparatively small area, although the particular species occur in small number of specimens. This was connected with the small number of the insects which are hosts to these parasitoids. The vertical distribution in the height interval 900-2350 m a.s.l. was more or less even. The first and second parts of this paper contain the systematic list of 571 species (1604 specimens) of Ichneumonidae from 26 subfamilies; out of these 132 are new to the entomofauna of Austria. The insects recorded during the investigations represented 13 zoogeographical groups: holarctic element (106 species), Euro-Siberian (74), palaearctic (64), Euro-Asiatic (28), Euro-Caucasian (62), European (198), montane (17), Subpontic (5), Mediterranean (3), boreal-montane (7), Submediterranean (3), Subpontomediterranean (2), cosmopolite (2).

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